Mapping				
Man Interaction	cReader	:View	Editor	
Map Interaction	Arc	Arc	Arc	
Pan and Zoom the Map Zoom to the Extent of a Layer	X X	X X	X X	:
Use Spatial Bookmarks Access Hyperlinks Use Dynamic ManTine	X X X	X X X	X X X	1
Use Dynamic MapTips Use Magnification Window Interactively Reveal Areas beneath a Specific Layer (Swipe)	X X	X	X)
Pan and Zoom to Selected Features Create Hyperlink to External Application, Macro, or URL		X X	x x)
Create and Manage Spatial Bookmarks Use Overview Window		X X	x x)
ueries Identify Features in the Map	Х	Х	х)
Measure Distances Find Features in the Map	X X	X X	X X)
Select Data by Location Select Data by Attribute Nationwide USA Point-to-Point Street Routing		X X X	X X X)
Nationwide USA Fornetion one street routing	_	^	^	,
Map Display	rcReade	rcView	rcEditor	gulur
eneral Mapping Visualize the Map Page or a Specific Set of Data	×	X	×	
Perform On-the-Fly Projection of All Data Enable Full Cartographic Visualization of Any PMF File	x	x	x)
Interactively Set Percent Transparency for All Data Layers Set a Minimum and Maximum Scale to Display Data	X	X X	x)
Clip the Map Display to a Feature or Graphic Create Graticules, Measured Grids, and Reference Grids		X X	x x)
Create Extent Rectangles for Other Data (Reference and Overview Maps)		х	х)
Variable Depth Layer Masking bular Data		X	X)
Create On-the-Fly Dynamic Joins between Different Databases Create and Use Many-to-One and One-to-Many Relationships Create Statistics		X X X	X X)
Summarize Data		Х	X X)
Create Charts and Reports Build Detailed Reports Using Crystal Reports Sort by Multiple Attributes		X X X	X X X)
Sort by Multiple Attributes Connect to and Use Remote Database Tables Display Tabular X,Y Point Data from a File or Table on a Map		X X X	X X X)
cotor Data Display Control Selection Color for Each Dataset		X	X)
Create MapTips Fix Symbology to a Specific Map Scale		x	X X)
Interactively Exclude Specific Features from the Display Control Which Features to Display Using a SQL Query		X X	X X	;
Control Which Data Fields Are Accessible from the Map		Х	х	;
Single Symbol Unique Value		X X	X X)
Match to Predefined Style Graduated Colors or Symbols		X X	X X)
Proportional Symbols Dot Density Mapping		X X	X X)
Chart Mapping Including Pie and Bar Chart Bivariate and Multivariate Data Rendering		X X	X X)
Interactive Histogram for Data Classification mbology		Х	Х	;
Use Interactive Symbol Composer Select Advanced Drawing Options for Control over Draw Order		X X	x x	; ;
Access More Than 18,000 Predefined Symbols Use Halos and Advanced Background Symbols		X X	X X	; ;
Define Symbols for Fill, Lines, Outlines, and Points Support User-Imported Graphic Fill Patterns		X X	X X)
rface Display Display Faces, Nodes, and Triangles		Х	Х	;
Slope Hillshade		X	x)
Aspect Elevation Modifying the Sun Position to Customize the Surface Display		X X X	X X X)
	1		~	
age Layout and Printing	ArcRead	ArcView	ArcEdito	- Juliu A
ap Elements Title		X	Х)
Text Neatlines		X X	X X	;
Legend North Arrows		X X	X X	;
Scale Bar Scale Text		X X	X X	; ;
Pictures OLE Objects		X X	X X	; ;
Measured Reference Grid Graticules		X X	X X)
xport Formats Enhanced Metafile (EMF)		Х	Х)
Windows Bitmap (BMP) Encapsulated PostScript (EPS)		X X	X X)
Tagged Image File Format (TIFF) Portable Document Format (PDF)		X X	X X)
Joint Photographics Experts Group (JPEG) Portable Network Graphics (PNG)		X X	X)
Graphic Interchange Format (GIF)		X	X)
Scalable Vector Graphics (SVG)		X	X	
Adobe Illustrator (AI) PostScript Color Separates (With Page Marks)		X X X	X X X)
Adobe Illustrator (AI) PostScript Color Separates (With Page Marks) rint with the Following Print Drivers Windows	X	X X X	X X X)
Adobe Illustrator (AI) PostScript Color Separates (With Page Marks) rint with the Following Print Drivers Windows PostScript ArcPress HP RTL (RGB, CMYK, and Monochrome)	X	X X	X X)
Adobe Illustrator (AI) PostScript Color Separates (With Page Marks) rint with the Following Print Drivers Windows PostScript	X	X X X X X X	X X X X X X)))))
Adobe Illustrator (AI) PostScript Color Separates (With Page Marks) rint with the Following Print Drivers Windows PostScript ArcPress HP RTL (RGB, CMYK, and Monochrome) ArcPress HP PCL (RGB, CMYK, and Monochrome)		X X X X X X X	X X X X X X X	
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Adobe Illustrator (AI) PostScript Color Separates (With Page Marks) rint with the Following Print Drivers Windows PostScript ArcPress HP RTL (RGB, CMYK, and Monochrome) ArcPress HP PCL (RGB, CMYK, and Monochrome) Process Print Jobs on the Local Machine for Faster Printing Process Print Jobs on the Local Machine for Faster Printing Creating Dynamic On-the-Fly Labels Automatic Conflict Detection and Label Placement Label Placement Rules for Setting Priority between Layers Placement Rules for Setting Importance of Labels vs. Features Many Predefined Label Styles (e.g., Highway Shields) Labels Rotate from an Attribute Field Multiple Dynamic Labeling Schemes Built for Each Map Layer Control Which Features in a Layer Display Labels Advanced Text Formatting Tags for Dynamic Label Symbology Intotation Use Interactive Label Tools (Callout, Label, Spline, and Paragraph Text)		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
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Adobe Illustrator (AI) PostScript Color Separates (With Page Marks) Fint with the Following Print Drivers Windows PostScript ArcPress HP RTL (RGB, CMYK, and Monochrome) ArcPress HP PCL (RGB, CMYK, and Monochrome) Process Print Jobs on the Local Machine for Faster Printing Process Print Jobs on the Local Machine for Faster Printing Creating Dynamic On-the-Fly Labels Automatic Conflict Detection and Label Placement Label Placement Rules for Setting Priority between Layers Placement Rules for Setting Placement Label Placement Placement Rules for Setting Placement Placement Placement Placement Placement Placement Placement		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
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Adobe Illustrator (AI) PostScript Color Separates (With Page Marks) rint with the Following Print Drivers Vindows PostScript ArcPress HP RTL (RGB, CMYK, and Monochrome) Process Print Jobs on the Local Machine for Faster Printing Process Print Jobs on the Local Machine for Faster Printing Atomatic Conflict Detection and Label Placement Label Placement Rules for Setting Priority between Layers Placement Rules for Setting Importance of Labels vs. Features Many Predefined Label Styles (e.g., Highway Shields) Labels Rotate from an Attribute Field Multiple Dynamic Labeling Schemes Built for Each Map Layer Control Which Features in a Layer Display Labels Advanced Text Formatting Tags for Dynamic Label Symbology Interactive Label Tools (Callout, Label, Spline, and Paragraph Text) Create Text Annotation Data from Labels Findation Creation Add Annotation with a Leader Line Create Annotation That Follows a Curved Line or the Shape of an Existing Feature Dynamically Pull Annotation String Independently Interactively Manage Annotation That Could Not Be Placed during Interactively Manage Annotation String Independently Interactively Stack and Unstack Annotation		X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	
Adobe Illustrator (AI) PostScript Color Separates (With Page Marks) rint with the Following Print Drivers Windows PostScript ArcPress HP RTL (RGB, CMYK, and Monochrome) ArcPress HP PCL (RGB, CMYK, and Monochrome) Process Print Jobs on the Local Machine for Faster Printing Ardomatic Conflict Detection and Label Placement Label Placement Rules for Setting Priority between Layers Placement Rules for Setting Importance of Labels vs. Features Many Predefined Label Styles (e.g., Highway Shields) Labels Rotate from an Attribute Field Multiple Dynamic Labeling Schemes Built for Each Map Layer Control Which Features in a Layer Display Labels Advanced Text Formatting Tags for Dynamic Label Symbology Interactive Label Tools (Callout, Label, Spline, and Paragraph Text) Create Text Annotation Data from Labels Interactively Move, Rotate, and Scale Annotation Add Horizontal or Angled Annotation Add Annotation with a Leader Line Create Annotation That Follows a Curved Line or the Shape of an Existing Feature Dynamically Pull Annotation String Independently Interactively Manage Annotation That Could Not Be Placed during Initial Annotation Creation Fitit Each Word in an Annotation String Independen		X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	
Adobe Illustrator (AI) PostScript Color Separates (With Page Marks) rint with the Following Print Drivers Windows PostScript ArcPress HP RTL (RGB, CMYK, and Monochrome) ArcPress HP PCL (RGB, CMYK, and Monochrome) Process Print Jobs on the Local Machine for Faster Printing Process Print Jobs on the Local Machine for Faster Printing Creating Dynamic On-the-Fly Labels Automatic Conflict Detection and Label Placement Label Placement Rules for Setting Priority between Layers Placement Rules for Setting Placement Label Placement Rules for Setting Placement Label Shotate from an Attribute Field Multiple Dynamic Labeling Schemes Built for Each Map Layer Control Which Features in a Layer Display Labels Advanced Text Formatting Tags for Dynamic Label Symbology Interactively Move, Rotate, and Scale Annotation Add Horizontal or Angled Annotation Add Annotation With a Leader Line Create Annotation That Follows a Curved Line or the Shape of an Existing Feature Dynamically Pull Annotation String Independently Interactively Modify the Curvature and Orientation of a Line Edit tach Word in an Annotation String Independently Interactively Modify the Curvature and Orientation of a Line Edit the Symbology of a Single Annotation Feature or a Group of Annotation Features Simultaneously Store Annotation in a Geodatabase or a Map Document Cireate Annotation String Independently Store Annotation String Store Annotation feature on a Group of Annotation Subclasses Create Aligne		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
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Polygon Boundary Placement				x
				Х
Repeated Labeling Character Spreading				x
Word Spreading				Х
Label Overrun on Features Curved Polygon Placement				X
Graticule Labeling Alignment				Х
User-Defined Point Label Zones Background Labeling				x
Land Parcel Placement				Х
Advanced Feature Weighting Advanced Label Offsets				×
Advanced Line Label Positions Advanced Curved Label Placement				x
¹ The advanced labeling functionality is available through the Maplex for	ArcGIS e	xtension, v	vhich can	
purchased with ArcView or ArcEditor but is automatically included with				
	ader	3	tor	
Address Matching	ArcRea	ArcVie	√rcEdi	- Info
Geocoding Tools			~	
Single or Batch Address Geocoding		X X	X X	X
Tools for Processing Addresses That Could Not Be Found Client/Server Geocoding Using Multiuser Geodatabase		X	X	X
Multiple Geocoding Services (Indexes) per Data Source		X X	X X	X
Aggregate Multiple Geocoding Sevices into a Single Geocoding Service (Composite Locator)		^	^	^
Geoprocessing Automate Geocoding Indexes		Х	Х	X
Create Address Locator		X	X	X
Deautomate Geocoding Indexes Delete Address Locator		x x	X X	×
Geocode Addresses		X	X	Х
Rebuild Geocoding Indexes Standardize Addresses		x x	X X	x
USA Locator for Nationwide Address Matching Data Management		Х	Х	Х
Create Dynamic Features from Geocoded Locations			Х	Х
Data Support and Inter	ond	rah	:l:+、	,
Data Support and Inter	ohe	lau	muy	/
	der	2	or	
Raster Data Support	rcRead	rcViev	rcEdit	rchafo
Direct Read of Raster Data	<		A	
ARC Digitized Raster Graphics (ADRG)		X	X	X
ArcSDE Rasters Band Interleaved by Line (ESRI BIL), Band Interleaved by Pixel (ESRI		X X	X X	×
BIP), or Band Sequential (ESRI BSQ) Bitmap (BMP), Device Independent Bitmap (DIB) format, or		х	х	Х
Microsoft Windows Bitmap Compressed ARC Digitized Raster Graphics (CADRG)		Х	Х	Х
Controlled Image Base (CIB)		Х	Х	Х
Digital Geographic Information Exchange Standard (DIGEST), ARC Standard Raster Product (ASRP), or Universal Transverse Mercator (UTM)/Universal Polar Stereographic (UPS) Standard		Х	Х	Х
Raster Product (USRP) Digital Terrain Elevation Data (DTED) Levels 0, 1, and 2		x	х	Х
ER Mapper		X	Х	Х
ERDAS 7.5 GIS, 7.5 LAN, and RAW Graphic Interchange Format (GIF)		X X	X X	X
Intergraph Raster Files: CIT—Binary Data; COT—Grayscale Data		Х	Х	Х
Joint Photographics Experts Group (JPEG), Joint File Interchange Format (JFIF)		Х	Х	Х
JPEG 2000 Multiresolution Seamless Image Database (MrSID Generations 2		X X	X X	X
and 3) National Imagery Transmission Format (NITF)		Х	Х	Х
Portable Network Graphics (PNG)		Х	Х	Х
Direct Read and Write of Raster Data ERDAS IMAGINE		Х	Х	Х
ESRI GRID and GRID Stack Tagged Image File Format (TIFF) (GeoTIFF tags are supported.)		X X	X X	x
Map Display		A	~	
Display Multiband Images by Assigning RGB Values to the Bands Use Individual Band Settings		X X	X X	X
Display Each Unique Value in Your Images with a Discrete Color		x	x	X
Display Image Values Using a Color Map Display Multiband Raster Data Using RGB Values		X X	X X	X
Save Current Display Statistics to an XML File		Х	Х	Х
Control Raster Display Contrast and Brightness Display Raster Catalog Tiles as a Time Series		X X	X X	X
Import Renderer or Statistics from Another Layer		X	Х	Х
Display Raster Values while Navigating the Map with MapTips		Х	X X	X
Display Raster Resolution in Map TOC		х		1
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data		X		
Display Raster Resolution in Map TOC		X X	X	X
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize		X X	Х	Х
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations		X		X
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None		X X X X	X X	×
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom		x x x x x	X X X	×
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics		X X X X X X	X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent		X X X X X X X X X	X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor		X X X X X X X X X	X X X X X X X	x x x x x x x x x x x
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods		x x x x x x x x x x x x x x x	X X X X X X X X X	x x x x x x x x x x x x x x x x x x x
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Billnear Interpolation Cubic Convolution Display Classification Methods		x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X	x x x x x x x x x x x x x x x x x
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Bilinear Interpolation Cubic Convolution		x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Entire Raster Dataset Based on the Display Extent Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Bilinear Interpolation Cubic Convolution Display Classification Methods Equal Interval		x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Bilinear Interpolation Cubic Convolution Display Classification Methods Equal Interval Quantile Natural Breaks (Jenks) Standard Deviation		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Bilinear Interpolation Cubic Convolution Display Classification Methods Equal Interval Quantile Natural Breaks (Jenks)		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Billinear Interpolation Cubic Convolution Define Interval Quantile Natural Breaks (Jenks) Standard Deviation Raster Catalog Footprint Display Footprints Only Selected Footprints		x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Billnear Interpolation Cubic Convolution Display Classification Methods Equal Interval Quantile Natural Breaks (Jenks) Standard Deviation Raster Catalog Footprint Display		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Billnear Interpolation Cubic Convolution Display Classification Methods Equal Interval Quantile Natural Breaks (Jenks) Standard Deviation Standard Deviation Raster Catalog Footprint Display Footprints Only Selected Footprints Geoprocessing Conversion Raster to ASCII ASCII to Raster		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Bilinear Interpolation Cubic Convolution Display Classification Methods Equal Interval Quantile Natural Breaks (Jenks) Standard Deviation Raster Catalog Footprint Display Footprints Only Selected Footprints Geoprocessing Conversion Raster to ASCII		x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Bilinear Interpolation Cubic Convolution Display Classification Methods Equal Interval Quantile Natural Breaks (Jenks) Standard Deviation Selected Footprints Geoprocessing Conversion Raster to ASCII ASCII to Raster Raster to Float		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Classification Methods Cubic Convolution Display Classification Methods Equal Interval Quantile Natural Breaks (Jenks) Standard Deviation Rester Catalog Footprint Display Footprints Only Selected Footprints Geoprocessing Conversion Raster to ASCII ASCII to Raster Float to Raster		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Bilinear Interpolation Cubic Convolution Display Classification Methods Equal Interval Quantile Natural Breaks (Jenks) Standard Deviation Raster Catalog Footprint Display Footprints Only Selected Footprints Geoprocessing Conversion Raster to ASCII ASCII to Raster Raster to Float Float to Raster Raster to Point Raster to Point Raster to Point		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Bilinear Interpolation Cubic Convolution Display Classification Methods Equal Interval Quantile Natural Breaks (Jenks) Standard Deviation Raster Catalog Footprint Display Footprints Only Selected Footprints Geoprocessing Conversion Raster to ASCII ASCII to Raster Raster to Float Float to Raster Raster to Polygon Raster to Polyline Feature to Raster Polygon		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Billinear Interpolation Cubic Convolution Define Interval Quantile Natural Breaks (Jenks) Standard Deviation Raster Catalog Footprint Display Footprints Only Selected Footprints Geoprocessing Conversion Raster to ASCII AScII to Raster Raster to Float Float to Raster Raster to Polygon Raster to Polygon Raster to Polygon		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on the Display Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Bilinear Interpolation Cubic Convolution Define Interval Quantile Natural Breaks (Jenks) Standard Deviation Raster Catalog Footprint Display Footprints Only Selected Footprints Geoprocessing Conversion Raster to ASCII ASCII to Raster Raster to Float Float to Raster Raster to Polygon Raster to Polyline Feature to Raster Define to Polyline		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on a Custom Extent Based on a Custom Extent Display Resample Methods Nearest Neighbor Billinear Interpolation Cubic Convolution Define Interval Quantile Natural Breaks (lenks) Standard Deviation Raster Catalog Footprint Display Footprints Only Selected Footprints Geoprocessing Conversion Raster to ASCII AscII to Raster Raster to Ploat Float to Raster Raster to Polygon Raster to Polygon Raster to Polygon Raster to Polygon Raster to Polyline Feature to Raster DEfine Interval Cubic to Raster Raster to Polyline		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	
Display Raster Resolution in Map TOC Display: Gradual Color Ramp Data Stretching Algorithms Standard Deviations Histogram Equalize Minimum-Maximum Custom None Display Statistics Based on the Entire Raster Dataset Based on a Custom Extent Display Resample Methods Nearest Neighbor Billinear Interpolation Cubic Convolution Define Interval Quantile Natural Breaks (Jenks) Stardard Deviation Raster Catalog Footprint Display Footprints Only Selected Footprints Raster to ASCII ASCII to Raster Raster to Polygon Raster to Polygon Raster to Polygon Raster to Polygon Raster to Polyline Feature to Raster DEM to Raster DEM to Raster Potyponecessing Transformation/Projection Mirror Project Raster (Single Input)		× × × × × × × × × × × × × × × × × × ×	X X X X X X X X X X X X X X X X X X X	

Build Pyramids

Clip Composite Bands

Copy Raster

Mosaic

Resample

Geodatabase

Calculate Statistics

Batch Calculate Statistics

Create Raster Catalog Item

Create Raster Catalog

Create Raster Dataset

Mosaic to New Raster

Delete Raster Catalog Items

Geoprocessing Geodatabase Administration

Create and Manage Raster Catalogs in a Multiuser Geodatabase

Mosaic Raster Data in a Multiuser Geodatabase X

Advanced Labeling¹

Customizable Dynamic Stacking

Street Placement

Font Reduction

Advanced Label Placement Rule Set

Document and Data Support	ArcReader	ArcView	ArcEditor	ArcInfo
Map and Symbology Files				
Read Published Map Files (from ArcGIS Publisher)	х	Х	Х	Х
Create and Edit Map Documents (.mxd)		Х	Х	Х
Save Layer Files (.lyr) and Map Documents (.mxd) in ArcGIS 8.3 Format		Х	Х	Х
Use Map Templates (MXT) to Standardize Maps		Х	Х	Х
Import ArcView 3.x APR and AVL Files		Х	Х	Х
Direct Read of Vector Data				
Geodatabase		Х	Х	Х
Shapefiles		Х	Х	Х
ArcInfo Coverages		Х	Х	Х
PC ARC/INFO Coverages		Х	Х	Х
Smart Data Compression (SDC) Data		Х	Х	Х
Vector Product Format (VPF) Data		Х	Х	Х
Web Services		Х	Х	Х
ArcIMS Image Service		Х	Х	Х
ArcIMS Feature Services		Х	Х	Х
Geography Network Feature Service		Х	Х	Х
ArcIMS Map Service		Х	Х	Х
ArcGIS Server Services		Х	Х	Х
OGC Web Map Server (WMS)		Х	Х	Х
Direct Editing of Vector Data				
Personal Geodatabase Simple Features (.mdb)		Х	Х	Х
Personal Geodatabase Simple Features Checked Out from a Multiuser Geodatabase		Х	х	Х
Shapefiles		Х	Х	Х
Multiuser Geodatabase Features			Х	Х
Direct Read of CAD Data				
Autodesk Drawing Exchange Format (DXF)		Х	Х	Х
AutoCAD Drawing File (DWG)		Х	Х	Х
MicroStation DGN Files		Х	Х	Х
Direct Read of Other Data				
ESRI TIN		Х	Х	Х
dBASE (DBF)		Х	Х	Х
Text (TXT)		Х	Х	Х
ESRI INFO Files		Х	Х	Х
OLE DB Connections		Х	Х	Х
ODBC Connections		Х	Х	Х
Microsoft Access		Х	Х	Х

Application Customization Application Look and Feel Dockable/Floating Toolbars х х х UNICODE Support for Multilanguage Attributes х х х Complies with Microsoft Windows Display Settings х х х Customization Customizable Look and Feel (Drag and drop to rearrange tools/toolbars.) X X X X X X Creates New Toolbars or Menus without Programming Creates and Saves Macros Using Visual Basic for Applications (VBA) X X X Extends the Applications with any COM Compliant Development X X X Environment

Data Automation

х х х

	er		5	
Data Editing	rcRead	rcView	rcEdito	rcInfo
General Editing	Ā	Ā	Ā	Ā
Simultaneously Edit Multiple Layers		х	Х	Х
Unlimited Undo/Redo Operations Integrate with ArcPad for Field Editing		X X	X X	X
Provide Digitizer Support for Devices with Wintab Compliant Drivers		х	Х	Х
Make Measurements Using any Units That You Choose		Х	Х	Х
Optionally Scale Features When Individual Vertices Are Moved Automatically Correct Ground Measures Appropriately in the GIS		X X	X X	X X
Snap Tips Indicating What Is Being Snapped To		X	X	X
Dockable Snapping Dialog That Makes It Quick and Easy to Change Snapping while Editing		Х	Х	Х
Snapping by Layer				
Vertex Edge		X	X	X
Endpoint		X	X	X
Snapping to New Geometry		х	Х	Х
Edges Vertices		X	X	X
Perpendicular		Х	Х	Х
Snapping to Topology Nodes Endpoint		Х	Х	Х
Vertex		Х	Х	Х
Midpoint Edge		X	X X	X
Snapping Tolerance		~	A	X
By Pixels		Х	Х	Х
By Map Units Interactively		X X	X X	X X
Geometry Construction Options				
Constrain the Next Segment by Direction Constrain the Next Segment with a Deflection Angle from Last		X X	X X	X X
Segment Constrain the Next Segment by Length		x	х	X
Specify an Exact X,Y Location		X	X	X
Specify an X,Y Difference from the Last Vertex		Х	Х	х
Constrain the Next Segment to Be Parallel to the Last Segment Constrain the Next Segment to Be Perpendicular to the Last		X X	X X	X
Segment Constrain the Next Segment Based on an Angle from an Existing		х	Х	Х
Feature Segment in the Map Create Geometry from Existing Features in the Map		х	Х	Х
Create a Curve Tangent to the Last Segment		X	X	X
Finish a Polygon by Generating Perpendicular Segments from the First and Last Segment		Х	Х	Х
Flip the Orientation of the Geometry		Х	Х	Х
Trim Geometry to a Specific Length Geometry Creation Tools		Х	Х	Х
Point and Click On-Screen Digitizing		Х	Х	Х
Stream Digitizing Add a Coordinate Based on an Angle from One Location and a		X	X X	X
Distance from Another Add a Coordinate Based on the Implied Intersection of Two		X	X	X
Segments				
Construct a True Curve Construct a Tangent Curve		X X	X X	X X
Add a Coordinate Based on a Distance from Two Known Locations		Х	Х	Х
Add a Coordinate at the Midpoint between Two Known Locations Add Coordinates along Existing Coordinates		X X	X X	X X
Feature Manipulation Tasks				
Create Features Using New Geometry Create New Polygons Using the Geometry of Existing Features		X X	X X	X X
(Autocomplete Polygons)				
Reshape Existing Features Cut Polygon Features		X X	X X	X X
Create Mirror Copies of Existing Features		Х	Х	Х
Extend or Trim Existing Features Add, Delete, Interactively Move, or Modify the Coordinate Values		X X	X X	X X
for Vertex Locations of Existing Features Feature Editing Tools Including				
Move, Rotate, Delete, Copy, and Paste		Х	Х	Х
Split a Line at a Distance or Percentage		X	X	X
Divide a Line, Based on a Distance, a Number of Segments, or a Measure Value (M Coordinate)		Х	Х	X
Buffer Features Copy Lines Parallel to Their Existing Location		X X	X X	X
Merge Existing Features		Х	Х	Х
Create New Features by Merging Features in the Same or Another Layer (Union)		Х	Х	Х
Create New Features from the Buffer of Existing Features		X	X	X
Create New Polygons by Intersecting Existing Feature Classes Clip One or More Polygons with Another Polygon		X X	X X	X X
Extend and Trim Lines with Other Features in the Map		х	Х	Х
Attribute Editing Modify Each Selected Row Individually or as a Group (Attributes		х	х	Х
Dialog)				
Copy Attributes to One or More Rows Simultaneously Calculate Attribute Values Using Scripts (Field Calculator)		X X	X X	X X
Validate Attribute Values Using Rules Defining Valid Values (Domains)		х	Х	Х
Multipart Features (Point, Line, and Polygon)				
Add and Delete Parts Zoom to Parts		X X	X X	X X

Zoom to Parts Add, Delete, and Edit Vertex Locations Create Separate Features from Each Part (Explode) X X X

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ArcGIS 9.1 Desktop Functionality Matrix

Data Management and Validation

Data Editing (continued)			
	ArcReader	rcView	rcEditor
Map Navigation While Editing		A A	A
Zoom to Feature Vertices Zoom to Feature Parts Interactively Pan and Zoom Using the Editing Tools and Shortcut		X X X	X X X
Interactively Pan and Zoom Using the Editing Tools and Shortcut Keys Pan and Zoom to Unplaced Annotation or the Feature Associated with the Unplaced Annotation		x	x
with the Unplaced Annotation Vector Data Transformations Rubber Sheeting Transformation		v	v
Rubber Sheeting Transformation Transformation—Affine Transformation Transformation—Similarity Transformation		X X X	X X X
Transformation—Similarity Transformation Transformation—Projective Transformation Edgematching Transformation		X X X	X X X
Edgematching Transformation Transfer Accurate Attributes from Features with Inaccurate Geometry to Features with Accurate Geometry (Conflation)		x	X
Copy Feature Geometry from One Location/Layer to a New Location/Layer			Х
Coordinate Geometry (COGO) Create Fields to Store COGO Measurements			X
Add New Features by Specifying Courses along a Traverse Split a Line at Specific Intervals (Proportion)			X
Populate COGO Measurements from the Geometry of a Feature (Inverse) Create a Curved Line at the Intersection of Two Existing Lines			x
(Fillet) Generalization			
Smooth Line Features Simplify the Shape of Line Features (Generalize)			x
Raster Editing	ader	ş	tor
and Vectorization ²	ArcReader	ArcVie	ArcEdi
Vectorize All Raster Formats Supported in ArcGIS 1 Bit Raster Data			Х
8 Bit Raster Data (With Bi-Level Classification Applied) ArcGIS Integration			Х
Vectorization into any Editable Vector Dataset Seamless Integration with Vector Data Editing Environment			X X
Raster Snapping Geometry Centerline			Х
Corner Intersection			X X
Ends Solid			X X
Raster Snapping Environment Available to All Editor Sketch Tools			Х
Snap to Raster Linear Feature of Specified Width or Less Snap to Solids within Specified Diameter			X X
Ignore Holes in Data while Snapping Vectorization Tracing			Х
Interactive Tracing Raster Lines Ignore Holes in Raster Linear Features			X X
Automatic Vectorization Vectorize Entire Raster			x
Vectorize Entire Raster Vectorize Specific Raster Area Simultaneously Capture Line and Polygon Vectors			X X X
Vectorization Parameters			
Vectorize Raster Lines Less Than or Equal to Specified Width Reduce Vectors (Compression) on Creation Specific Vectors on Creation			X X X
Smooth Vectors on Creation Jump Gaps (Dashes) within Raster Variable Mathematical Sectors			X X
Variable Methods for Resolving Intersections Save and Load Parameters			X X
Vectorization Preview Dynamic Vectorization Preview			Х
Change Preview Symbology Raster Cell Selection			Х
Selection of Foreground or Background Cells Select Connected Cells Interactively			X X
Select Connected Cells by Count Select Connected Cells by Diagonal Area			X X
Raster Cleanup Environment Undo/Redo Raster Cleanup Operations			Х
Erase or Fill Selected Cells Save Selected Cells to New Raster			x x
Raster Cleanup Painting Tools Brush			Х
Erase Basic Shapes (Line, Square, Ellipse, and Polygon)			X X
Erase Connected Cells Support Tools			Х
Discover Raster Line Width Discover Raster Solid Diameter			
			x
² The vectorization functionality is available through the ArcScan for ArcV with ArcView but is automatically included with ArcEditor and ArcInfo I		ion, whicl	Х
	icenses.	sion, which	Х
with ArcView but is automatically included with ArcEditor and ArcInfo I		ArcView	Х
with ArcView but is automatically included with ArcEditor and ArcInfo I	icenses.	ion, which ArcView X	Х
with ArcView but is automatically included with ArcEditor and ArcInfo I Mobile GPS Support	icenses.	ArcView	ArcEditor
with ArcView but is automatically included with ArcEditor and ArcInfo I Mobile GPS Support Display Real-Time Location Points from a GPS Receiver Dynamically Center the Map on the Current GPS Point Store GPS Locations in a Log File Filter by GPS Input by Time, Distance, or Deflection	icenses.	x x ArcView	X ArcEditor X X X
with ArcView but is automatically included with ArcEditor and ArcInfo I Mobile GPS Support Display Real-Time Location Points from a GPS Receiver Dynamically Center the Map on the Current GPS Point Store GPS Locations in a Log File Filter by GPS Input by Time, Distance, or Deflection	icenses.	x x ArcView	X A can be p A CEditor X X X X
with ArcView but is automatically included with ArcEditor and ArcInfo I Mobile GPS Support Display Real-Time Location Points from a GPS Receiver Dynamically Center the Map on the Current GPS Point Store GPS Locations in a Log File Filter by GPS Input by Time, Distance, or Deflection Tablet PC Support of Windows XP Tablet PC Edition	icenses.	x x x x x x x	x a can be p Arcequitor x x x x x x x x x x x x x x
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with ArcView but is automatically included with ArcEditor and ArcInfo I Mobile GPS Support Display Real-Time Location Points from a GPS Receiver Dynamically Center the Map on the Current GPS Point Store GPS Locations in a Log File Filter by GPS Input by Time, Distance, or Deflection Tablet PC Support of Windows XP Tablet PC Edition Edit features or graphics with a Stylus Annotate the Map with Redlining and Highlighting Tools Find Handwritten Notes within the Map Convert Redlining Handwriting to Text Multiuser Geodatabase Editing Multiple Editors Can Simultaneously Edit the Same Feature Classes	ArcReader	X X X X X X X X X X X X X X X X X X X	ArcEditor
with ArcView but is automatically included with ArcEditor and ArcInfo I Mobile GPS Support Display Real-Time Location Points from a GPS Receiver Dynamically Center the Map on the Current GPS Point Store GPS Locations in a Log File Filter by GPS Input by Time, Distance, or Deflection Tablet PC Support of Windows XP Tablet PC Edition Edit features or graphics with a Stylus Annotate the Map with Redlining and Highlighting Tools Find Handwritten Notes within the Map Convert Redlining Handwriting to Text Multiuser Geodatabase Editing Multiple Editors Can Simultaneously Edit the Same Feature Classes in a Multiuser Geodatabase Isolate Editing Projects in Separate Versions (Create Version)	ArcReader	X X X X X X X X X X X X X X X X X X X	X ArcEditor X ArcEditor X X X X X X X X X X X X X
with ArcView but is automatically included with ArcEditor and ArcInfo I Mobile GPS Support Display Real-Time Location Points from a GPS Receiver Dynamically Center the Map on the Current GPS Point Store GPS Locations in a Log File Filter by GPS Input by Time, Distance, or Deflection Tablet PC Support of Windows XP Tablet PC Edition Edit features or graphics with a Stylus Annotate the Map with Redlining and Highlighting Tools Find Handwritten Notes within the Map Convert Redlining Handwriting to Text Multiuser Geodatabase General Editing Multiple Editors Can Simultaneously Edit the Same Feature Classes in a Multiuser Geodatabase Isolate Editing Projects in Separate Versions (Create Version) Enabling a Variety of Work Flows Merge Versions (Reconcile and Post) Delete Versions Disconnected Editing Check Out Raster and Vector Data from a Multiuser Geodatabase	ArcReader	X X X X X X X X X X X X X X X X X X X	x Arceditor x x x x x x x x x x x x x
with ArcView but is automatically included with ArcEditor and ArcInfo I Mobile GPS Support Display Real-Time Location Points from a GPS Receiver Dynamically Center the Map on the Current GPS Point Store GPS Locations in a Log File Filter by GPS Input by Time, Distance, or Deflection Tablet PC Support of Windows XP Tablet PC Edition Edit features or graphics with a Stylus Annotate the Map with Redlining and Highlighting Tools Find Handwritten Notes within the Map Convert Redlining Handwriting to Text Multiuser Geodatabase Editing Multiple Editors Can Simultaneously Edit the Same Feature Classes in a Multiuser Geodatabase Isolate Editing Projects in Separate Versions (Create Version) Enabling a Variety of Work Flows Merge Versions (Reconcile and Post) Delete Versions Check Out Raster and Vector Data from a Multiuser Geodatabase Using a Variety of Spatial and Attribute Filters Package Edits Made to a Checkout Geodatabase in an XML File	ArcReader	X X X X X X X X X X X X X X X X X X X	x a can be p can be p y can be p y y y y y y y y y y y y y
with ArcView but is automatically included with ArcEditor and ArcInfo I Mobile GPS Support Display Real-Time Location Points from a GPS Receiver Dynamically Center the Map on the Current GPS Point Store GPS Locations in a Log File Filter by GPS Input by Time, Distance, or Deflection Tablet PC Support of Windows XP Tablet PC Edition Edit features or graphics with a Stylus Annotate the Map with Redlining and Highlighting Tools Find Handwritten Notes within the Map Convert Redlining Handwriting to Text Multiuser Geodatabase Editing Multiple Editors Can Simultaneously Edit the Same Feature Classes in a Multiuser Geodatabase Isolate Editing Projects in Separate Versions (Create Version) Enabling a Variety of Work Flows Merge Versions (Reconcile and Post) Delete Versions Check Out Raster and Vector Data from a Multiuser Geodatabase Using a Variety of Spatial and Attribute Filters Package Edits Made to a Checkout Geodatabase in an XML File Check in Edits to a Multiuser Geodatabase from a Checkout Geodatabase	ArcReader	X X X X X X X X X X X X X X X X X X X	x a can be p a c
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Data Management	ArcReader	ArcView	ArcEditor	ArcInfo
Move, Copy, and Paste GIS Data and All Associated Files Manage Raster Datasets and Raster Catalogs in a Personal Geodatabase		X	X X	X X
Create Personal Geodatabases Create Personal Geodatabase Feature Classes		X X	X X	X X
Create Shapefiles Administer ArcGIS Server		X X	X X	X X
Search for GIS Data By Name		Х	Х	Х
Type Location		X X	X X	X
Date Metadata Tag		X X	X	X X
Add/Modify Tic Locations			X	X
Set Coordinate System Change the Data Extent County			X X	X X
Create Coverage Relationship Classes Create a New Coverage Create a New INFO File			X X X	X X X
Modify Coverage Tolerances UML/CASE Tool Integration			X	X
Generate Geodatabase Schema from a UML Diagram Created in a CASE Tool (Via XML File or Microsoft Repository)			Х	Х
Apply a Geodatabase Schema to Existing Features from a CASE Tool Design Geodatabase Administration			Х	Х
Create and Load Vector and Raster Data into a Multiuser Geodatabase			Х	Х
Create Tables/Feature Classes That Store Custom Objects/Features Update RDBMS Statistics for GIS Data			X X	X X
nterchange File Import/Export			Х	Х
ZIP (compressed text file with 4 GB file size limit) Z (compressed text file with no file size limit)			X X	X X
Attribute Validation	ArcReader	ArcView	ArcEditor	ArcInfo
Add Subtype Remove Subtype		X X	X X	X X
Set Default Subtype Set Subtype Field		X X	x	x
Domains Geoprocessing Add Coded Value to Domain		X	X	X
Assign Domain to Field Create Domain		X X	X X	x
Delete Coded Value from Domain Delete Domain		X X	X X X	x x
Domain to Table Remove Domain from Field		X X	X X X	x
Set Value for Range Domain Table to Domain		X X	X X	X X
Create and Edit Relationships between Features One-to-One			Х	Х
One-to-Many Many-to-Many			X X	X X
Specify Cardinality Rules for Relationships Store Attributes for Relationships			X X	X X
Geodatabase Relationship Behavior Moving a Feature Moves the Related Feature			Х	Х
Deleting One Feature Deletes the Related Feature Relationship Class Geoprocessing			Х	Х
Create Relationship Class Table to Relationship Class			X X	X X
	er		<u> </u>	<u> </u>
Тороlоду	ArcRead	ArcView	ArcEdito	ArcEdito
Map Display Display a Summary of the Errors and Exceptions in the Topology		X	x	X
Display the Feature Classes and Rules in the Topology Display Errors, Exception, and Dirty Areas in the Map		X X	X X	X X
Editing Construct and Edit Topologies Created from Layers in the Map		Х3	х	х
Move Topological Edges and Nodes Show or Select Adjacent or Connected Features		χ ³ χ ³	X X	X X
Reshape Shared Edges between Features Modify the Coordinates of Shared Edges or Nodes		χ ³ χ ³	X X	X X
Split Shared Edges at a Specific Point, Distance, or Percentage along the Edge		X3	Х	Х
Move Edges and Nodes to a Specific Location Shift Edges and Nodes Based on an Offset from Their Current Location		X3 X3	X X	X
Merge Connected Edges Control Which Adjacent or Connected Features Move When a		Х ³ Х ³	X X	X X
Shared Edge or Node Is Moved Construct Polygons from Lines or Lines from Polygons			Х	Х
Split Lines Where They Intersect Validate a Specific Area or the Entire Topology			X X	X X
Search for Errors of a Specific Type within One Area or the Entire Topology Inspect Errors by Zooming, Panning, or Selecting the Features			X	x
Geodatabase Topology Rule Violation				
Delete Features Subtract Features			X X	X X
Create Features Merge Features			X X	X X
Snap Features Extend Lines			X X	X X
Trim Lines Split Lines			X X	X X
Explode Features Simplify Features			X X	X X
Geodatabase Topology Management Create and Manage Geodatabase Topology			Х	Х
Specify a Hierarchy for Vertex Snapping During Topology Creation Geodatabase Topology Rules			Х	Х
Polygons Contain Points Polygons Must Not Overlap			X X	X X
Polygons Must Not Have Gaps Polygons Must Not Overlap with Polygons in Another Feature Class			X X	X X
Polygons Must Be Covered by One Polygon in Another Feature Class Polygons Must be Covered by One or More Polygons in Another			x x	x
Feature Class Polygons from Two Feature Classes Must Cover Each Other			Х	Х
Polygon Boundaries Must Be Covered by Lines of Another Feature Class Polygon Boundaries Must Be Covered by the Boundaries of			X X	x
Polygons in Another Feature Class Lines Must Not Overlap			Х	Х
Lines Must Be Single Part Lines Must Not Self-Overlap			X X	X X
Lines Must Not Overlap with Lines in Another Feature Class Lines Must Not Have Dangles			X X	X X
Lines Must Not Have Pseudo Nodes Lines Must Not Intersect			X X	X X
Lines Must Not Self-Intersect Line Endpoints Must Be Covered by Points of Another Feature Class			X X	X X
Lines Must Be Covered By Polygon Boundaries of Another Feature Class Lines Must Not Intersect or Touch Interior			x	x
Lines Must Not intersect of Youch interfor Lines Must Be Covered by Lines of Another Feature Class Points Must Be Covered by Lines of Another Feature Class			X X	X X
Points Must be Covered by Lines of Another Feature Class Points Must Be Inside Polygons Points Must Be Covered by the Endpoints of Lines			X X	X
Points Must Be Covered by the Boundary of Polygons of Another Feature Class			X	X
Geoprocessing Add Feature Class to Topology			Х	Х
Add Rule to Topology			Х	Х

Remove Feature Class from Topology

³ Only available with simple features in map-based topologies

Remove Rule from Topology

Set Cluster Tolerance

Validate Topology

Create Topology

X X

х х

х х

х х

х х

Create Coverage

Tolerance

Networks	ArcReader	ArcView	ArcEditor	ArcInfo
Utility Network Analysis				
Trace Upstream		Х	Х	х
Trace Downstream		Х	Х	Х
Find Common Ancestors		Х	Х	X
Find Connected Network Features Find Loops in Network		X	X	X
Find Disconnected Network Features		X	X	X
Find Path		Х	Х	Х
Find Path Upstream		Х	Х	Х
Find Upstream Accumulation		X	X	X
Data Management		Х	Х	X
Create and Manage Utility Networks			Х	Х
Create Complex Edge Features that Maintain Connectivity Without Splitting the Feature			Х	х
Geometric Network Connectivity Rules				
Edge—Junction Edge—Edge via Junction			X X	X
Geometric Network Editing				
Connect and Disconnect Network Features			Х	х
Enable and Disable Network Features			Х	Х
Set Flow Direction for a Network			X X	X
Verify, Repair, and Rebuild Connectivity in a Network Verify the Geometry of Network Features			X	X
Review and Repair Network Creation Errors			Х	X
Linear Referencing (Routes)	ArcReader	ArcView	ArcEditor	ArcInfo
Display				
Find and Display Dynamic Segmentation Events (Point, Linear, and Continuous) on Routes		Х	Х	Х
Editing				
Interactively Modify M Coordinate Values		Х	Х	Х
Interactively Drop M Coordinates		X	X	X
Create Routes for Selected Lines Using the Length of the Features, a Field Value, or Specific From and To Measures		Х	Х	Х
Edit a Portion of a Line Without Affecting the Measures on the Rest of the Line Adjust One Route Using Points along the Routes (Calibrate)		X	X	x
Calculate Measures Using From and To Measures for a Line		X	X	X
Set the Digitized Direction of the Line to Match Measure Values		Х	Х	Х
Calculate Measures Based on Length of Line		Х	Х	Х
Drop All the Measures for a Line		Х	Х	Х
Calculate Unknown Measures Using Interpolation Based on Existing Measures		Х	Х	Х
Add a Value to All Measures on a Line		Х	Х	Х
Multiply All Measures on a Line by a Factor		Х	Х	X
Add a Vertex at a Specific Measure Geoprocessing		Х	Х	X
Make Route Event Layer		Х	Х	х
Create Routes		Х	Х	Х
Adjust All Route Measures Using Points along the Routes (Calibrate)		Х	Х	Х
Dissolve Route Events		Х	Х	Х
Locate Features along Routes		Х	Х	Х
Overlay Route Events		Х	Х	Х
Transform Route Events		Х	Х	Х
Metadata	ArcReader	ArcView	ArcEditor	ArcInfo
General Automatically or Manually Generate Metadata for Data Files		V	V	v
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FGDC Classic		Х	Х	Х
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		X	X	X
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