	Projections & Applications
	Map Projections
	Graticule - Latitude and longitude Coordinates specify
	Positions in a more-or-less spherical grid Called the graticule.
	Plane Coordinates like the eastings and northings
	in the Universal Transverse Mercator (UTM) and State Plane Coordinates (SPC) systems denote
	positions in flattened grids.
	georeferenced plane coordinates are referred to as projected
	geographic Coordinates are called unprojected
>6	Map Projections - The mathematical equations used to transform latitude and longitude Coordinates to plane coordinates.
	UTM Coordinate Systemana and some way
1//	Northing - runs parallel to and north of the equator
	Easting runso perpendicular to and east of the X
SATION ON	X ( Origin CA to positioned specific of the Superior
	V 3 Marcator

2	Chapte
	Constant of A Rophsons
	Why are multiple coordinate system grids shown on the
	wab s
10	White and a soulding the late of the 12 and
	Why aren't geographic coordinates Sufficient?
	Christian out halls
	Describe the characteristics of the UTM Coordinate
	System, including its basis in the Transverse
	Mercator map projection.
	State Piace Coordinates (SPO) Engrans donate
7.	Plot UTM coordinates on a map
	7
	The UTM Grid and Transverse Marcator Projection
/1	18terred to as lera estectus.
1/3	
V La	if we use Geographic Information Systems Softwale, we need to be able accurately compale
	dutasets that may be based on different projections
	and alatums a somewham and a some some on
√3.	A line on a map orlong which there is no scale
	distortion and and attended
VH.	A line 4515 meters north of the equator
V5.	A, C, D South Zone, 600,000 meters E, 9,000,000 meters N North Zone, 600,000 meters E, -1,000,000 meters N
X O.	North Zone, 600,000 meters E, -1,000,000 meters N
V +.	1970000 fee + 100 100 at 18/1000 and - 5/14/10/1
V 4	Map is based on NAD ZZ I meter in 1,000 I meter in 10,000
X D.	Lambert Conformal Conic None of the above
Y 11.	Origins to positioned near the center of the system original
X 12	C, D A, C,
V 13.	Mercutor
V 14.	Robinson
V 15.	Cylindria