

COORDINATE CONVERSIONS

A. Convert the following latitude, longitude coordinates into decimal degrees and determine the location:

Degrees, minutes and seconds	Decimal Degrees
Latitude: N 41° 15' 31.4963" Longitude: W 96° 0' 46.019"	
Latitude: N 44° 51' 13.8582" Longitude: W 92° 37' 18.3459"	
Latitude: N 34° 1' 7.5628" Longitude: W 118° 24' 20.8624"	

B. Convert the following UTM coordinates to latitude and longitude.

UTM	Decimal Degrees
Zone: 14 Easting: 750259 Northing: 4571786	
Zone: 11 Easting: 370202 Northing: 3765128	
Zone: 15 Easting: 529887 Northing: 4966785	

C. Convert the following State Plane coordinates to latitude and longitude.

State Plane coordinates	Degree decimal
2600-Nebraska State Plane Easting: 833920.520m Northing: 165958.572m Easting: 2735954.240ft Northing: 544482.416ft	
4802-Wisconsin State Plane Central Zone Easting: 392805.708m Northing: 116743.289m Easting: 1288730.061ft Northing: 1911525.142ft	
0405-California State Plane Zone 5 Easting: 1962518.944m Northing: 557620.539m Easting: 6438697.570ft Northing: 1829460.053ft	

D. Provide the location of the following land divisions within the United States Public Land Survey:

A		B	
C	3	D	E
	F	I	H
		J	G
Section 3, Township 2 South, Range 4 E			

A: _____

B: _____

C: _____

D: _____

E: _____

F: _____

G: _____

H: _____

I: _____

J: _____