Seismic Wave Project Template

Part 1

Part 1 Tables

	Walk Times (S-Waves)				
Trial	Epicenter (0-Yard Line)	Seismograph Station #1 (10-Yard Line)	Seismograph Station #2 (20-Yard Line)	Seismograph Station #3 (30-Yard Line)	
1	0 s				
2	0 s				
3	0 s				
Average	0 s				

	Run Times (P-Waves)				
Trial	Epicenter (0-Yard Line)	Seismograph	Seismograph	Seismograph	
		Station #1	Station #2	Station #3	
		(10-Yard Line)	(20-Yard Line)	(30-Yard Line)	
1	0 s				
2	0 s				
3	0 s				
3	0.5				
Average	0 s				

Part 2

An earthquake was recorded at Stations, A, B, and C shown on the map below.

Station A reported that the epicenter of the quake was 1500 km from the station.

Station B reported that the epicenter of the quake was 1250 km from the station.

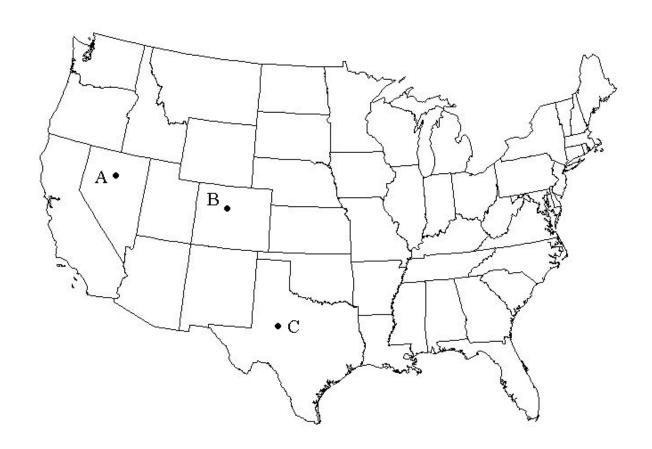
Station C reported that the epicenter of the quake was 3250 km from the station.

Using a compass and scale of 1 cm = 500 km, locate and label the epicenter of the earthquake on this map.

Station A = 1500 km = ____3___cm

Station B = 1250 km = ____ cm

Station C = 3250 km = ____cm



Part 3 Table

Epicenter Data Table							
Seismograph Station	Los Angeles, CA	St. Louis, MO	Houston, TX				
Elapsed time between							
first P and S waves							
(in Minutes)							
Distance from							
Epicenter							
(In Miles)							

Time Travel Graph

