

Name: _____ Period: _____ Lab # _____

LAB: ESRT Mapping

Use The ESRTs page 4 to answer the following tables

LATITUDE	
What is the latitude of the Antarctic Circle?	
What is the latitude of the letter "C" in Canary Current?	
Between which latitudes is the Oyashio Current found?	
As you travel from Australia to Antarctica, your latitude will...	

LONGITUDE	
What is the longitude of the letter "R" in Arctic Ocean?	
What is the longitude of the letter "G" in Guinea Current?	
Between which longitude is the Brazil Current found?	
Going from the equator to the North Pole, your longitude will...	

What Continent is found at these coordinates?	
20°N, 80°E	
40°S, 65°W	
68°N, 178°E	
48°N, 17°E	

Use The ESRTs page 5 to answer the following tables

Tectonic Plates		
Which three tectonic plates are found along the Prime Meridian?		
#1	#2	#3

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Use The ESRTs page 5 to answer the following tables (continued)

Hot Spots	
At which hot spot would you view Polaris at an altitude of 45°	
At which hot spot would you view Polaris near the horizon?	
What is the altitude of Polaris at the Iceland hot spot?	
What is the altitude of Polaris at the Hawaii hot spot?	
Find the coordinates of the Galapagos hot spot?	
Find the coordinates of the Bouvet hot spot?	

What will you cross as you go from 60°N, 180° to 40°N, 160°W

Use The ESRTs page 3 to answer the following tables

What are the coordinates of the following locations in NYS	
Binghamton	
Syracuse	
Slide Mountain	

Viewed from Oswego, how high will Polaris appear in the sky?	
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Tectonic Plates	
Is the North Star higher in the sky at Riverhead or Old Forge?	
Explain why:	