Map #7

Monday:

1. What is a projection map?
2. Does the Mercator projection more accurately show the size, shape, or the location of the contents on a map?

Tuesday:

1. Do the land areas around the North and South Poles appear smaller or larger in size than they really are?
2. Which continent appears much wider than it really is compared to the other continents?

Wednesday:

1. Which continent includes the coordinates of 45°N latitude, 115°E longitude?
2. Estimate the coordinates for the southern tip of Africa.

Thursday:

1. Name all the labeled land and water areas that the equator crosses.
2. The equator and the prime meridian meet in which ocean? Which continent is closest to this intersection?

Friday:

1. Which state in the United States includes the coordinates of 20°N latitude, 158°W longitude?
2. Which country includes the coordinates 20°N latitude, 105°W longitude?

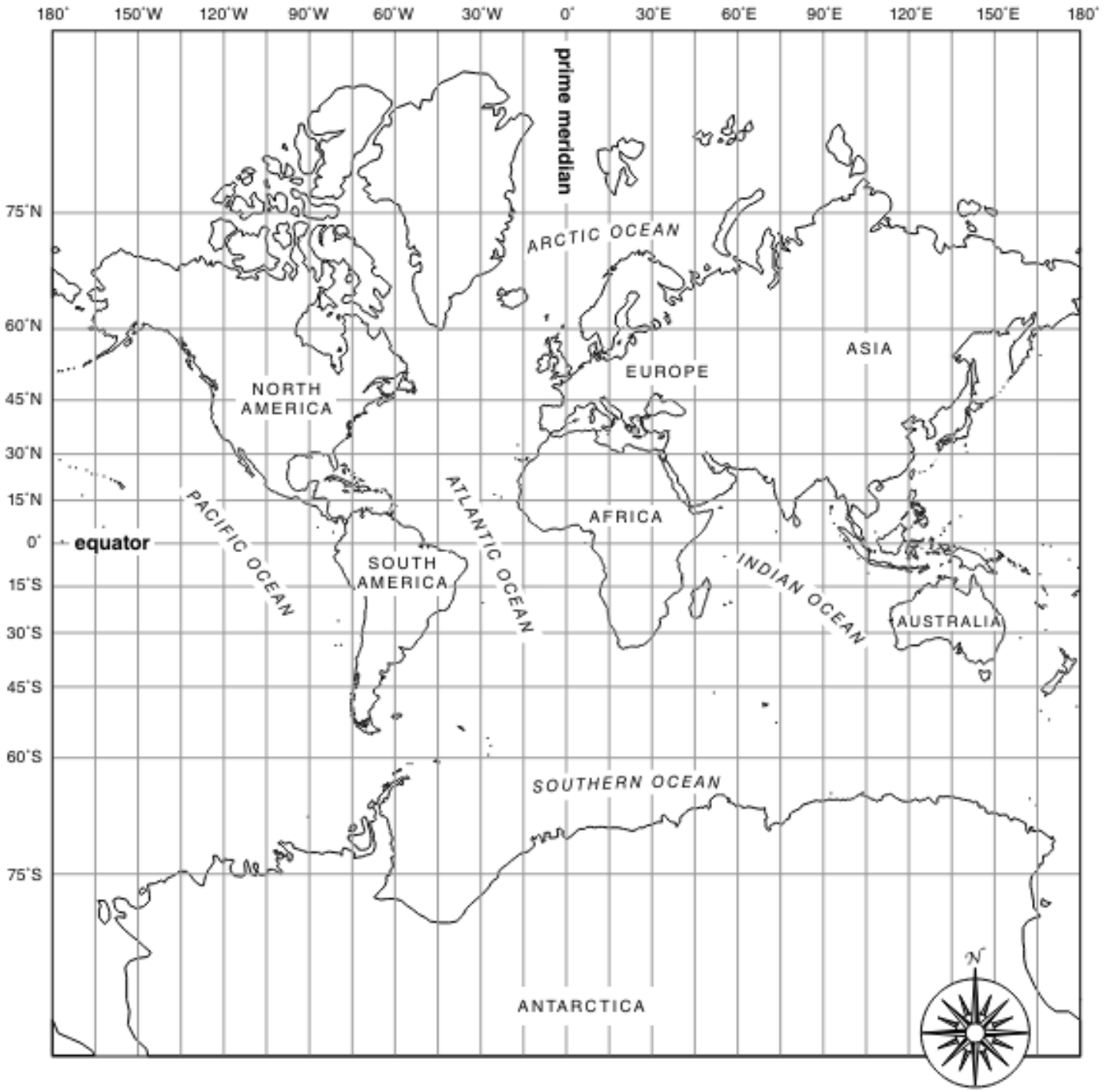
Challenge:

Australia is larger than Greenland. The land area of Australia is 2,978,147 square miles. The land area of the island of Greenland is 836,330 square miles. Does the Mercator projection map show the size of Australia and Greenland accurately? Explain why or why not.

Name _____ **WEEK 7**

A Mercator Projection Map

The World



A projection is a system for mapping the round Earth on a flat surface. The Mercator projection map shows the accurate locations of the continents and oceans. The land and water areas, however, are greatly distorted toward the North and South Poles.