

## Longitude and Latitude Guide

Name \_\_\_\_\_

Start Google Earth Antarctica from the link on the Webquest.

Use Google Earth Antarctica to answer the following questions.

Locate the South Pole.

- What is the name of the US Base here?
- What is the Longitude?
- What is the Latitude?

Locate the Antarctic Peninsula.

- What is the name of the US Base here?
- What is the Longitude?
- What is the Latitude?
- Use the distance between these two bases in miles?

Locate the Ross Sea in Antarctica.

- What is the name of the US Base here?
- What is the Longitude?
- What is the Latitude?
- What is the distance to the South Pole from here in miles?

Locate Mount Erebus. (It is near the Ross Sea)

- What is the Longitude?
- What is the Latitude?
- What is the distance to Scott Base from Erebus in kilometers?

What is the average distance across the continent of Antarctica?

You want ski to the South Pole and you want to take the shortest route.

- Where would you start? (Lat and Long)
- Why?
- What would the distance be?
- What would your bearing be?
- What is the longitude and latitude of the halfway point?