

- GEOL1551601201980 (2019 Fall Oceanography Lab *601*)
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Review Submission History: Lab Exercise #1

Assignment Instructions

box

1) Given the previous information, what is the circumference of the Earth in nautical miles? Show your work.

$360 \times 60 \text{ nautical miles} = 21,600 \text{ nautical miles}$

2) A nautical mile is a bit longer than a statute mile. There are 6076 feet (1852.4 meters) in a nautical mile and 5280 feet (1609.8 meters) in a statute mile. What is the numerical relationship of statute miles per nautical mile?

Answer: 1 nautical mile = 1.1508 statute miles

3) Given the answer to #2, what is the circumference of the Earth in statute miles (note that it must be a greater number than nautical miles)? $21,600 \text{ nautical miles} \times 1.1508 \text{ statute miles}$

Answer: 24,857.28 = 24,857.28 statute miles

Longitude is an angular measurement measured east or west (E or W; + or -) of the prime meridian (zero degrees) which runs through Greenwich, England (the Royal Observatory). The angular measurement extends to 180°, which is the international dateline, and occurs on the opposite side of the globe from England, in the center of the Pacific. Lines of longitude run in a north-south direction and are also called **meridians** and converge toward the north and south poles. Meridians are spaced at 1-degree intervals.

Assignment Details

GRADE
LAST GRADED ATTEMPT **50.00 /100**

ATTEMPT
8/30/19 8:24 AM **50.00 /100**

Submission

- Exercise 1.pdf
- Isobath Contours
- _Question_12.pdf

Save As Artifact **OK**