$\qquad$
$\qquad$

Latitude is defined as a measurement of distance indegrees north and south of the equator. The word latitude is derived from the Latin word, "latus", meaning "wide."

There are 90 degrees of latitude from the equator to each of the north and south poles. Latitude lines are pictured on the globe to the right. Latitude lines are parallel, that is they are the same distance apart. In fact, they are sometimes called paralle ls.

At 7,926 miles (12,756 km) in length, the equator is the longest of all lines of latitude. It divides the earth in fialf and is measured as $0^{\circ}$ (zerodegrees).


Positions on latitude lines above the equator are called "nortf" and are in the northern hemisphere. Miami, Florida, for example, is ne arly twenty-five degrees north of the equator. Its approximate latitude is written as $25^{\circ} \mathcal{N}$. Positions on latitude lines below the equator are called "south". Brisbane Australia, for example, is ne ar the thirty degree latitude line too, but in the southern hemisphere. Its latitude is written as $30^{\circ} \mathrm{S}$.

Complete the Following
a. Lines of latitude are $\qquad$ to the equator.
6. There are__-_-_-_ degrees of latitude north and south of the equator.
c. The equator is $\qquad$ degrees.
d. Another name for latitude lines is $\qquad$ .
e. The equator divides the earthinto $\qquad$ equal parts.

Write a definition of latitude.
$\qquad$
$\qquad$
$\qquad$

## What is Longitude?

Longitude is defined as measurement of distance in degrees east or west of the prime meridian. The word longitude is derived from the Latin word, "longus", meaning "length". The prime meridian divides the earth in falf too. It is also $0^{\circ}$. It passes through the community of Greenwich, England.

The prime meridian, as do all other lines of longitude, pass through the north and south pole. This is shown in the diagrams to the right. Longitude lines are not parallel. They make the earth look
 like a peeled orange.

There are 180 lines of longitude on the each side of the prime meridian. But on the opposite side, the prime meridian is not zero degrees but $180^{\circ}$. Here, it is called the International Date line.

Longitude lines to the left of the prime meridian give Locations west, in the westernhemisphere. Longitude lines to the right of the prime meridiangive locations east, in the eastern Kemisphere. Miami, Florida, for example, is near the $80^{\circ}$ line of longitude. It is west of the prime meridian and is written $80^{\circ} \mathfrak{W}$.

## Complete the Following


a. Longitude lines connect the $\qquad$ pole with the $\qquad$ pole.
6. The line of $0^{\circ} \mathrm{C}$ longitude is called the $\qquad$ .
c. Longitude lines give directions $\qquad$ and $\qquad$ of the prime meridian.
d. Thereare $\qquad$ degrees of longitude each side of the prime meridian.
e.

Longitude lines are not $\qquad$ like latitude lines.

Write a definition of longitude.

## Ulsing Latitude and Longitude

To find your exact location on a map, you need to determine which latitude line and which longitude line meet where you are standing. When writing locations, the latitude is givenfirst. Miami, Florida then, has a location of $25^{\circ} \mathcal{N}$ orth and $80^{\circ}$ West. This is usually written in a short form as $25^{\circ} \mathcal{N} 80^{\circ} \mathcal{W}$.

Give the latitude and longitude of the shapes positioned on the grid below.


Viking Skip
_-_-_-_-_-_-_-_-_-_-_-_
$\mathcal{H}$ urricane
-------------------------
Tourist
$\qquad$
Rafter
------------------------
Whate


Canoe ists
--------------------------
Flying Bird

Prepared by gim Cornish, Gander, Newfoundland, Canada Graptics used with permission of The Mariners'Museum http://www.mariner.org/age/index.htm

