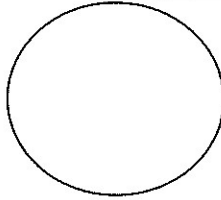


LATITUDE AND LONGITUDE

Latitude and Longitude is the _____ used to locate any point on planet Earth.

What are **latitude** lines?

Draw in the latitude lines:

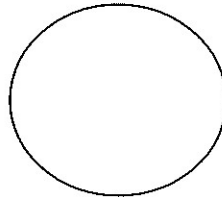


The _____ is the 0 degree line of latitude.

How is latitude measured? _____

What are **longitude** lines? _____

Draw in the longitude lines:

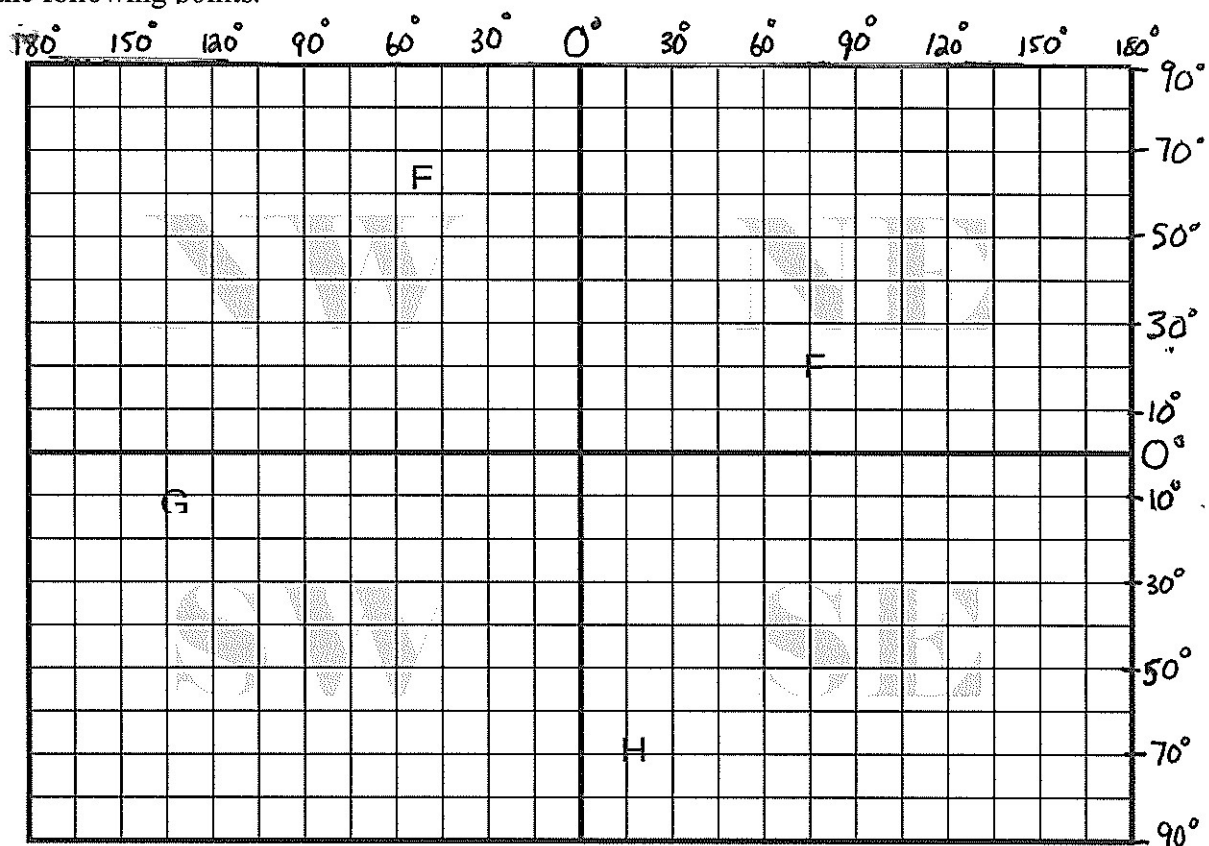


The _____ is the 0 degree line of longitude.

How is longitude measured? _____

Directions: Plot the following points.

- A – 25N, 100W
- B – 30S, 100E
- C – 80S, 65W
- D – 45N, 105E



Full Name _____

Class Period _____

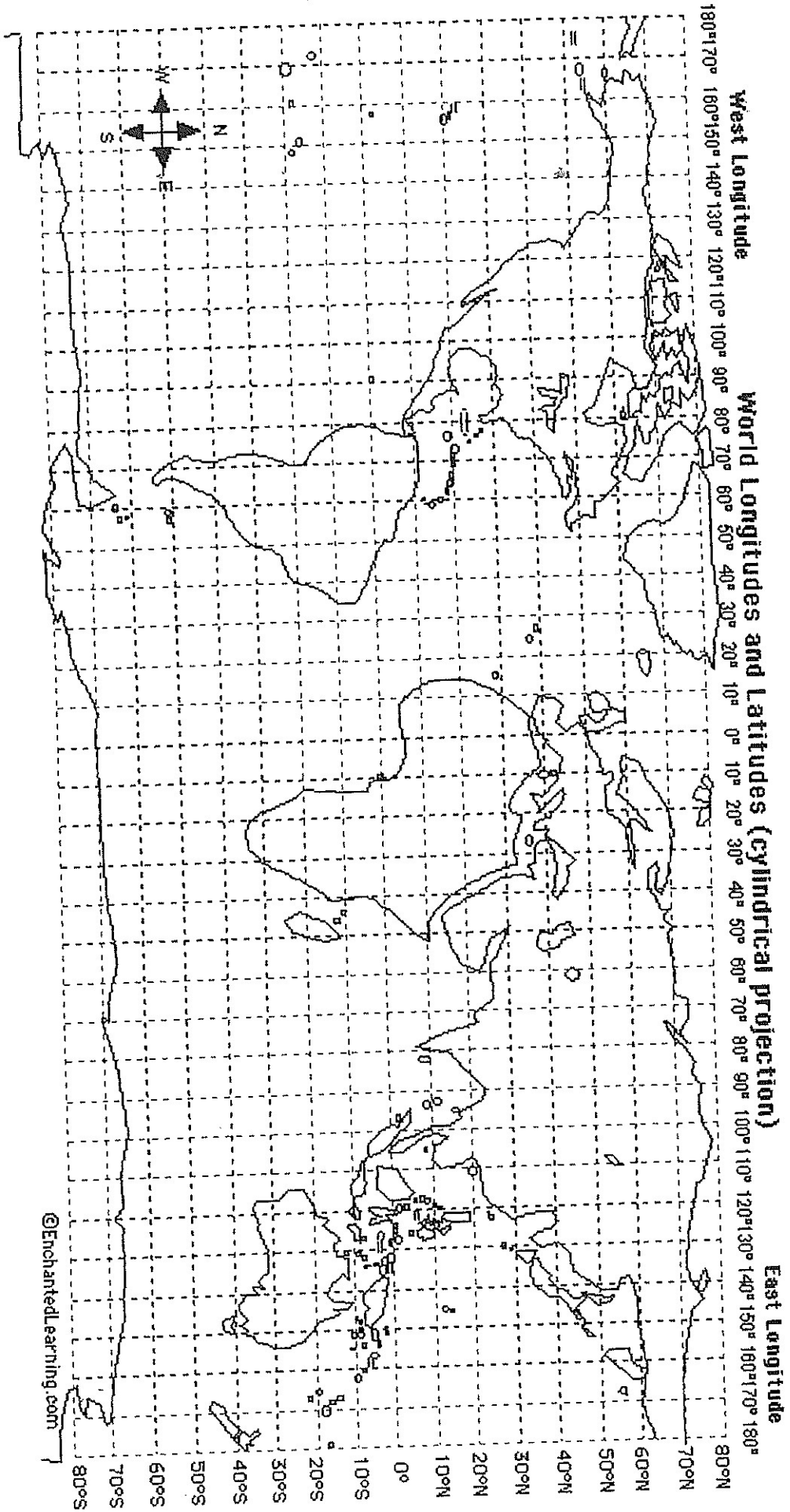
Latitude and Longitude
Locating the World's Capitols

Draw a red line along the equator (0 degrees latitude).

Draw a blue line along the Prime Meridian (0 degrees longitude).

Mark the following locations on your map with a dot and the appropriate symbol.

Symbol	City	Latitude	Longitude
B	Beijing	40°N	116°E
C	Cairo	30°N	31°E
CT	Cape Town	34°S	18°E
H	Hong Kong	22°N	114°E
J	Jakarta	6°S	106°E
LA	Los Angeles	34°N	118°W
LI	Lima	12°S	77°W
LO	London	51°N	0°W
MC	Mexico City	19°N	99°W
MO	Moscow	55°N	37°E
MU	Mumbai	19°N	72°E
NA	Nairobi	1°S	37°E
NO	New Orleans	30°N	90°W
NY	New York	40°N	74°W
R	Rio de Janeiro	23°S	43°E
SE	Seattle	47°N	122°W
SY	Sydney	34°S	151°E
TK	Tokyo	35°N	139°E
T	Toronto	43°N	79°W



State the coordinates of each of the letters on the map.

E = _____ F = _____ G = _____ H = _____

Longitude is based on Earth's _____ (SPINNING)

Each hour, Earth rotates _____ per hour.

How many TIME ZONES are there? _____.

People on the SAME LINE OF LONGITUDE have the same _____.

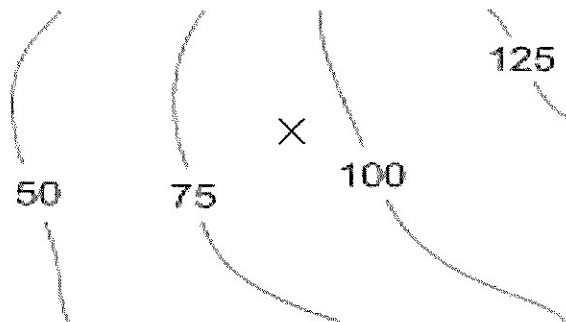
TOPOGRAPHY MAPS

What is the purpose of a topography (Contour) map? _____.

Who uses topography maps? _____.

When might someone use a topography map? _____.

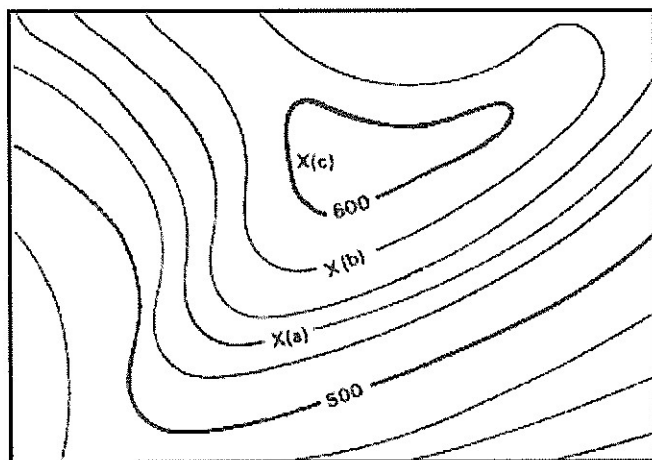
Map 1 Practice



Contour interval of this map equals - _____

What is the elevation of letter X? _____

Map 2 Practice



What is the contour interval of this map? _____

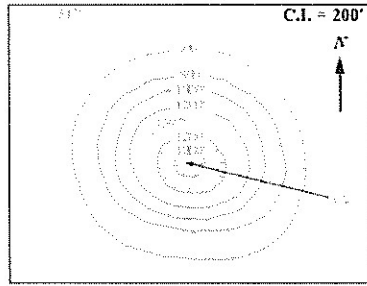
What is the elevation of letter A? _____

What is the elevation of letter B? _____

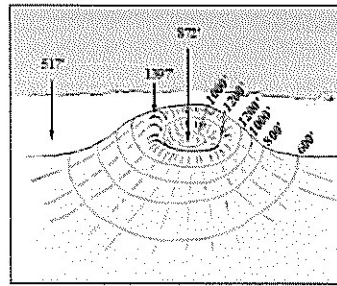
What is the highest possible elevation on this map? _____

HACHURED LINES

Topographic Map View

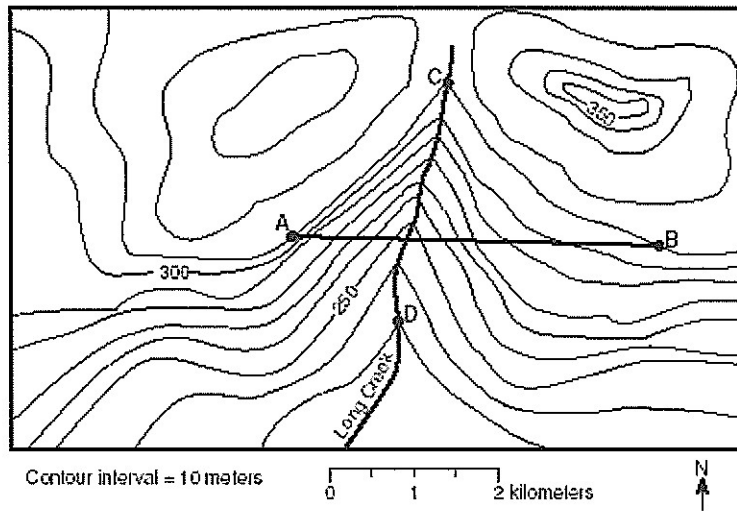


Real Life View



What do hachured lines show? _____.

FINDING RIVER DIRECTION USING A TOPOGRAPHIC MAP



If North is at the top of the page, what direction is the river flowing? _____

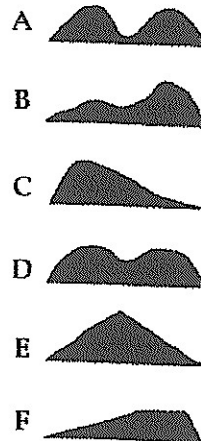
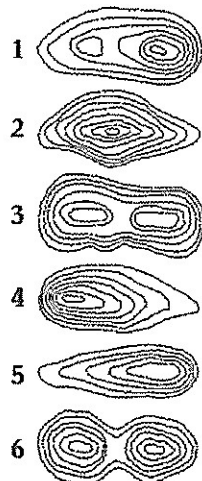
Can rivers flow North? _____

Name two ways that you can determine which way a river flows on a topographic map.

1. _____

2. _____

Draw lines to match the correct contour map to the correct picture.



What is Latitude?

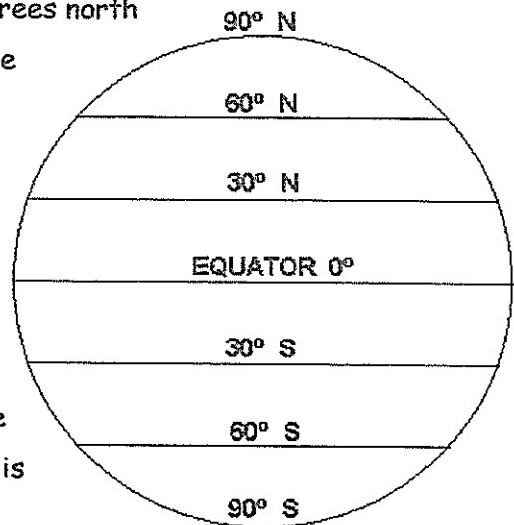
Name: _____ Class: _____

Latitude is defined as a measurement of distance in degrees 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 parallels.

At 7,926 miles (12, 756 km) in length, the equator is the longest of all lines of latitude. It divides the earth in half and is measured as 0° (zero degrees).

Positions on latitude lines above the equator are called "north" and are in the northern hemisphere. Miami, Florida, for example, is nearly twenty-five degrees north of the equator. Its approximate latitude is written as 25°N. Positions on latitude lines below the equator are called "south". Brisbane Australia, for example, is near the thirty degree latitude line too, but in the southern hemisphere. Its latitude is written as 30° S.



Complete the Following

- a. Lines of latitude are _____ to the equator.
- b. There are _____ degrees of latitude north and south of the equator.
- c. The equator is _____ degrees.
- d. Another name for latitude lines is: _____ .
- e. The equator divides the earth into _____ equal parts.

Write a definition of latitude.

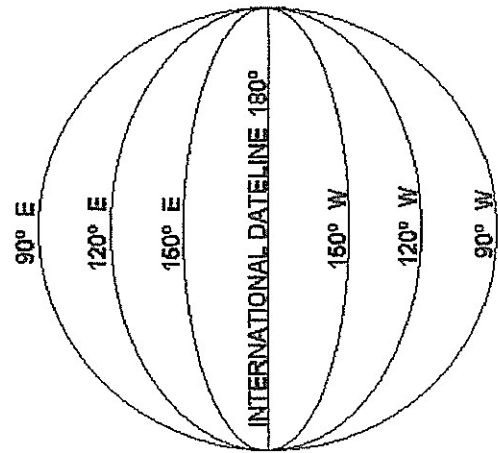
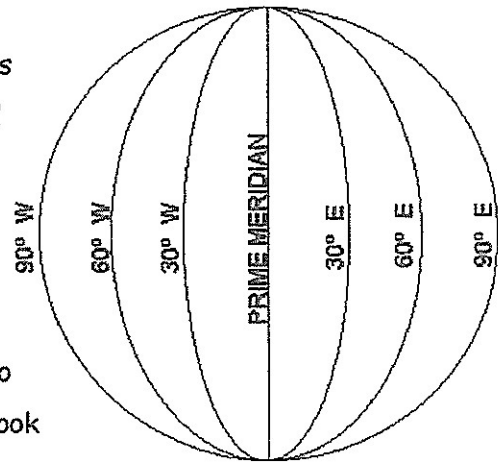
What is Longitude?

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 half too. It is also 0° . 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° . Here, it is called the International Date line.

Longitude lines to the left of the prime meridian give locations west, in the western hemisphere. Longitude lines to the right of the prime meridian give locations east, in the eastern hemisphere. Miami, Florida, for example, is near the 80° line of longitude. It is west of the prime meridian and is written 80° W.



Complete the Following

- Longitude lines connect the _____ pole with the _____ pole.
- The line of 0° longitude is called the _____.
- Longitude lines give directions _____ and _____ of the prime meridian.
- There are _____ degrees of longitude each side of the prime meridian.
- Longitude lines are not _____ like latitude lines.

Write a definition of longitude.
