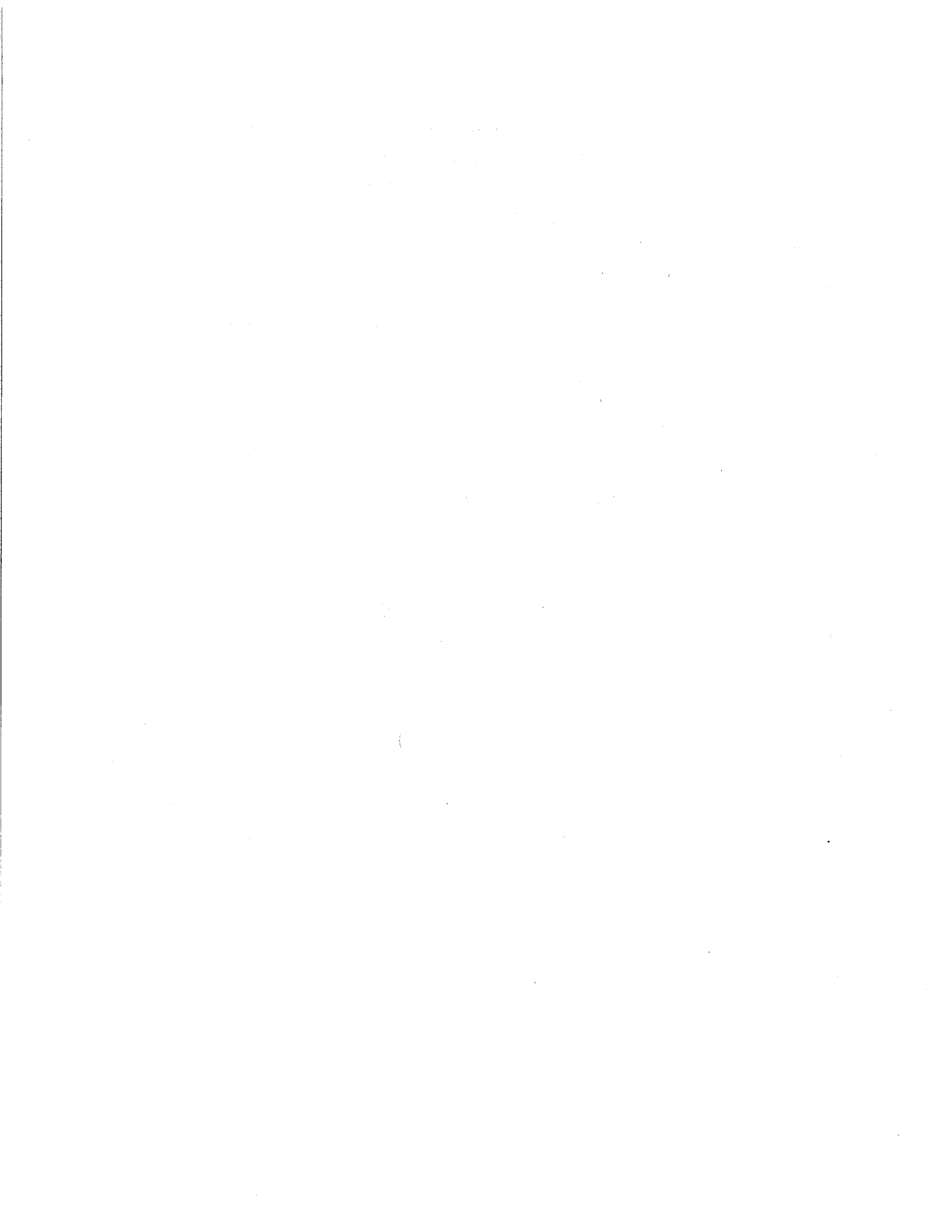
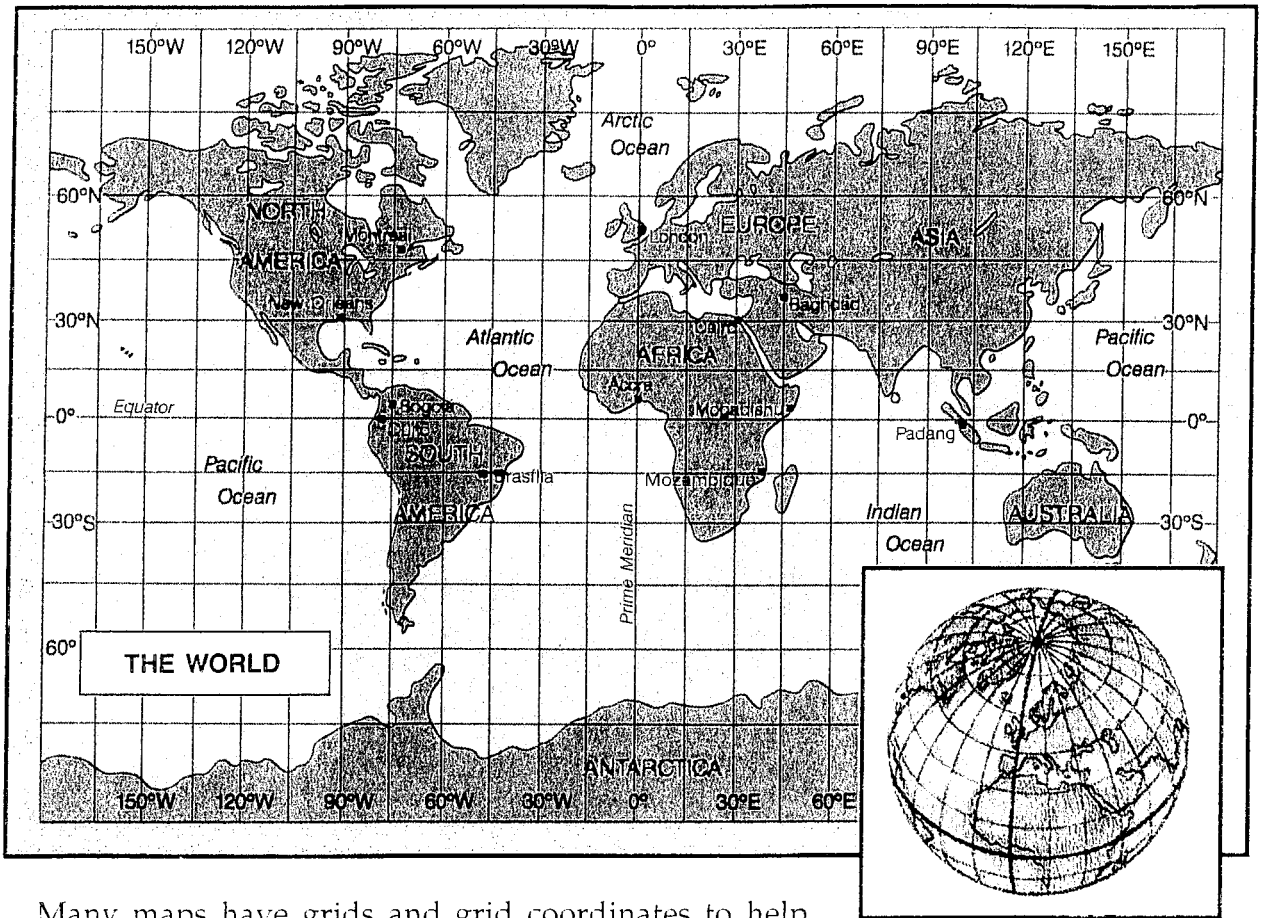


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Name: _____ Date: September 17, 2019 _____

Math: - Page 7 Q#3, P8 Q#8 - (Review yesterday's HW) NO HW
Social Studies: - Latitude and Longitude Practice HW: Tracking a Hurricane
ELA: Warm-up Summarizing "Wagon Train at Dusk"
Science ① Word sort / VOCAB MATCH ← STUDY THESE ② Controlled experiment, <u>page 6</u> ③ HW: STUDY-QUIZ FRIDAY
Computer Apps/ Technology





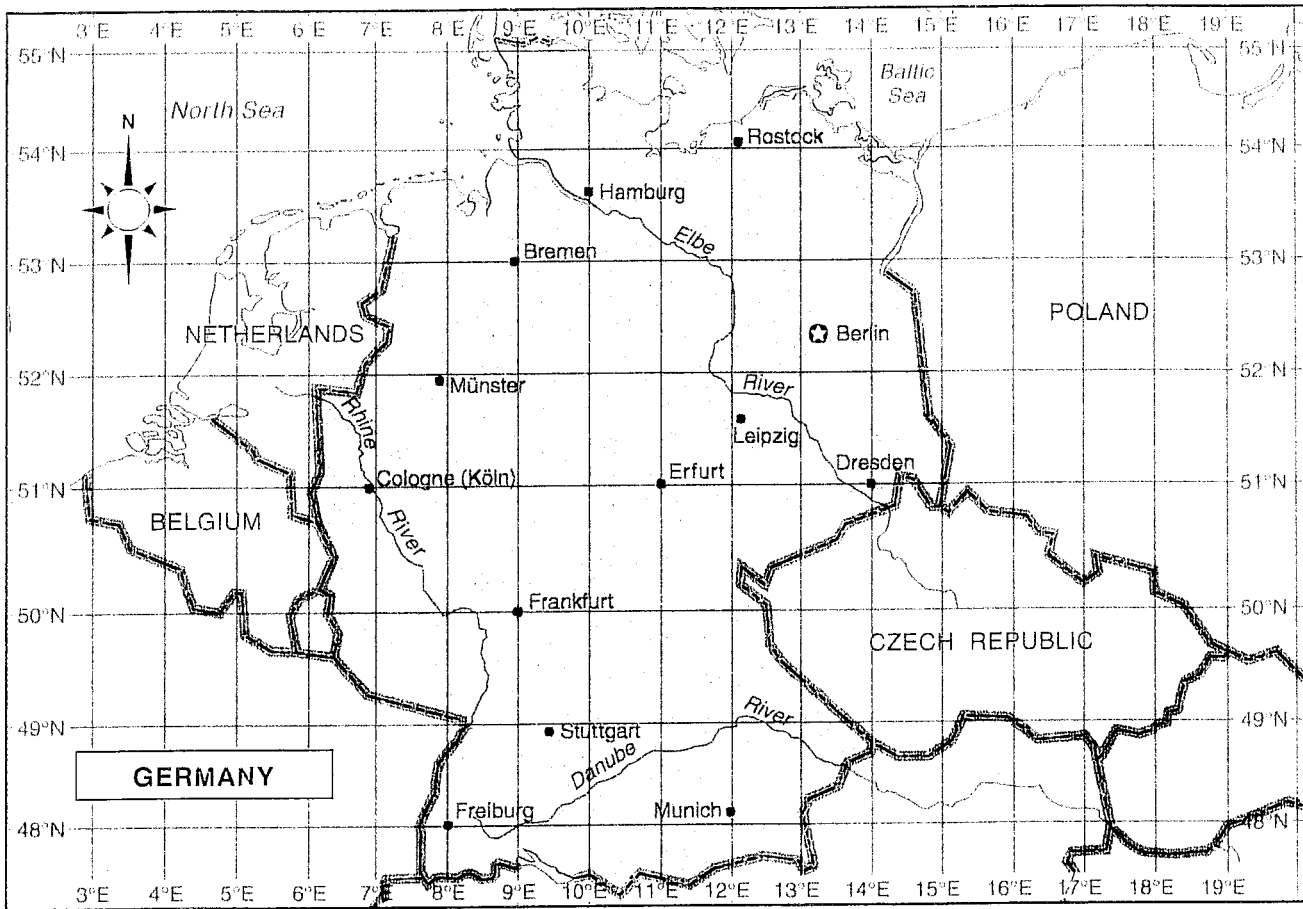
Many maps have grids and grid coordinates to help locate places. World maps and globes have grids on them. Look at the world map above. The grid pattern on the map is made up of lines of **latitude** and lines of **longitude**.

The lines that go east and west are the lines of latitude. They are also called **parallels** because they never touch each other. Latitude is used to measure distances north and south of the Equator. The Equator is 0° latitude. The symbol $^{\circ}$ stands for degrees.

- ▶ Find the Equator on the map above. What cities lie near the Equator? Look north of the Equator to find 30° North latitude. What cities lie near 30° North latitude? Find 15° South latitude. What cities lie near 15° South latitude?

The lines that go north and south are the lines of longitude. They are also called **meridians**. Longitude is used to measure distances east and west of the **Prime Meridian**. The Prime Meridian is 0° longitude and goes from the North Pole to the South Pole. All lines of longitude meet at the North and South Poles.

- ▶ Find the Prime Meridian at 0° longitude. What cities lie near the Prime Meridian? Now look east of the Prime Meridian to find 45° East longitude. What cities lie near 45° East longitude? Find 75° West longitude. What cities lie near 75° West longitude?



Look at the map of the world on page 42. You can see that the lines of latitude begin with 0° at the Equator and increase as they go north and south. The highest numbers are at the poles. The North Pole is 90° North latitude, and the South Pole is 90° South latitude.

The lines of longitude begin with 0° at the Prime Meridian and increase as they go east and west of the Prime Meridian. The highest number is 180° . The line of longitude directly opposite the Prime Meridian is 180° .

The lines of latitude and longitude form a grid pattern. This grid enables us to locate every place on Earth. Look at the map above. Find 51° North latitude. Run your finger along it until it crosses 7° East longitude. You have found the city of Cologne. The coordinates of Cologne are 51° North latitude and 7° East longitude, or 51°N , 7°E . Every spot on Earth has its own coordinates.

- Use latitude and longitude coordinates to find these places on the map. The coordinate for latitude is always named first.

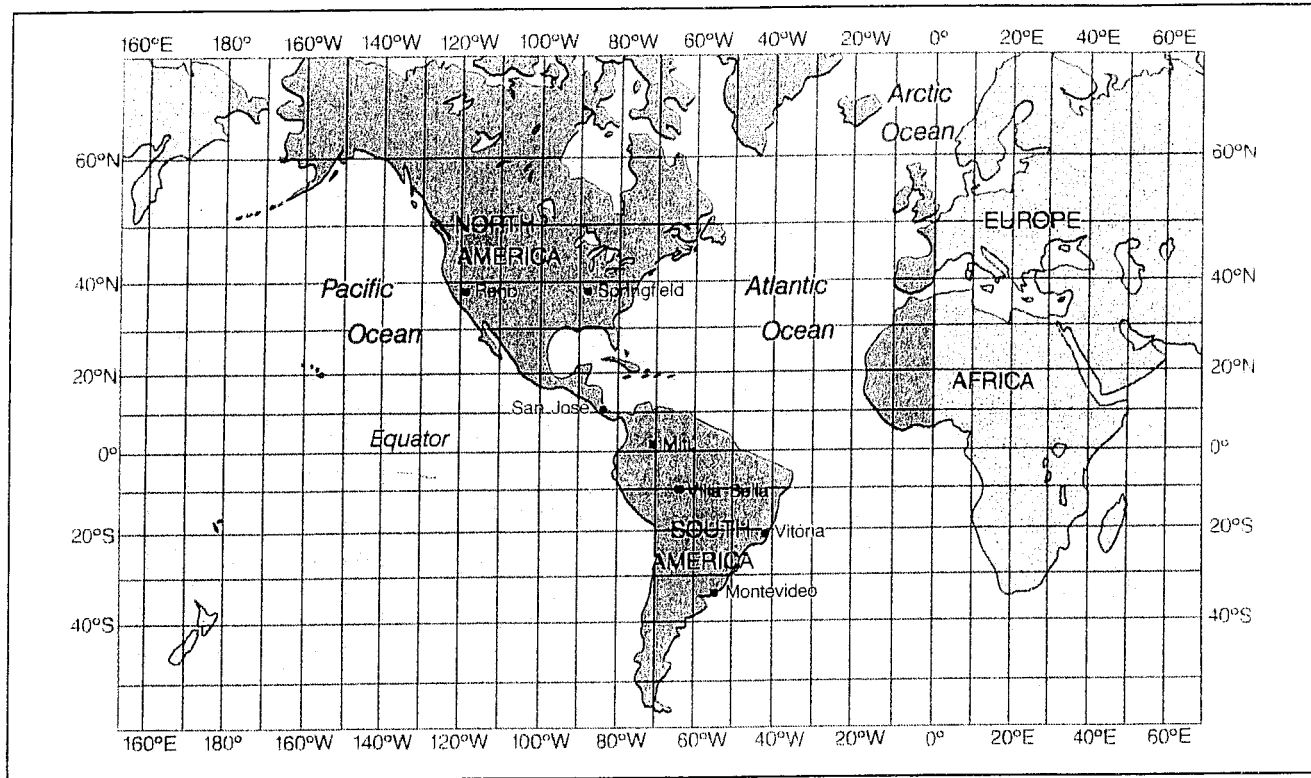
Frankfurt	50°N , 9°E
Bremen	53°N , 9°E
Munich	48°N , 12°E

- Estimate the coordinates (latitude and longitude) of these places on the map:

Münster
Leipzig
Stuttgart

Name _____

Using Latitude and Longitude _____

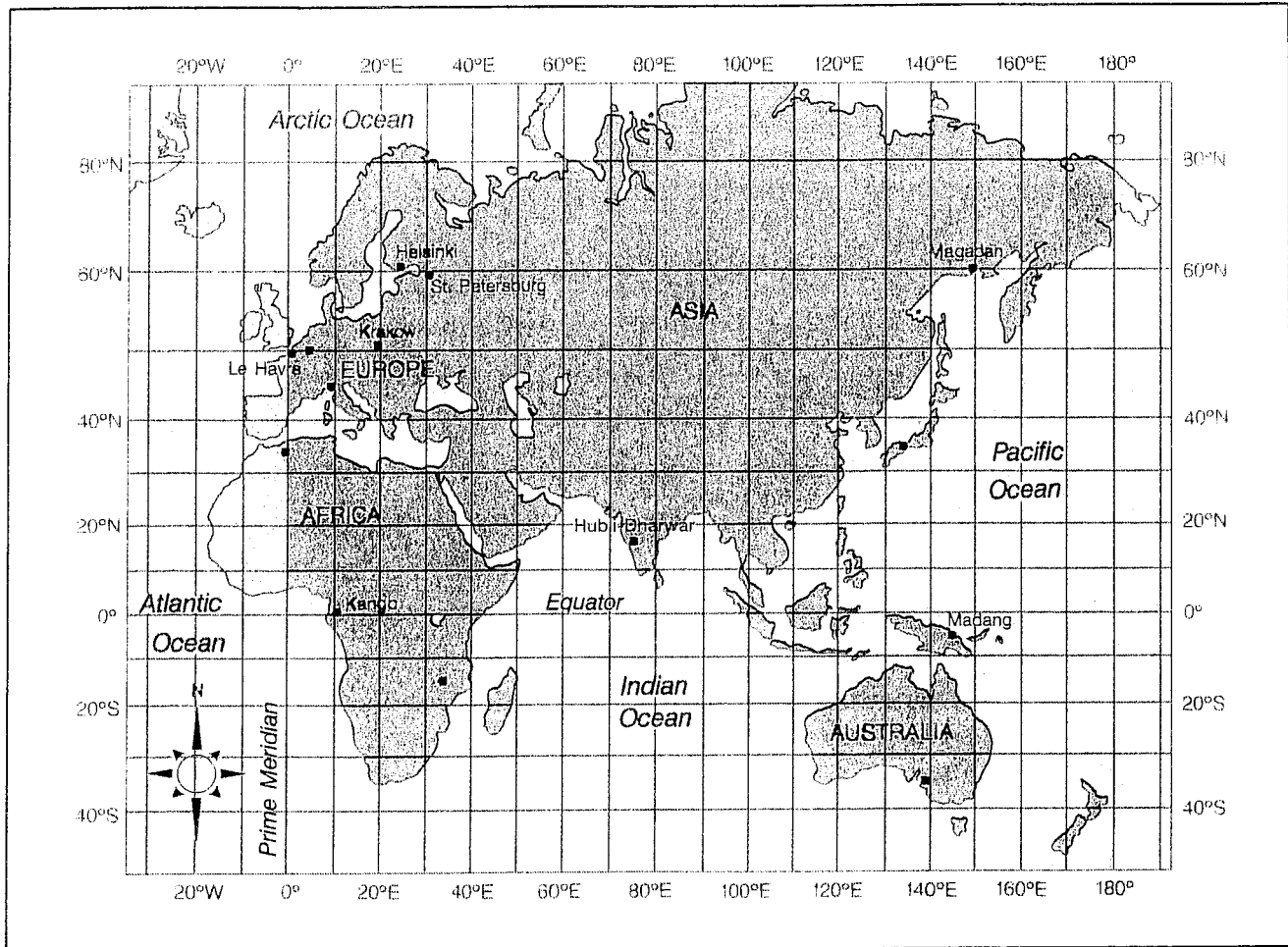


1. Trace the 70° W meridian in green.
 - a. Is that line east or west of the Prime Meridian? _____
 - b. Is most of the area shown on the map in the Eastern or Western Hemisphere? _____
2. Trace the Equator in red.

Draw an N just north of the Equator.

Draw an S just south of the Equator.
3. a. What city is near the place where the Equator and 70°W cross? _____
b. What are its coordinates? _____, 70°W.
4. Find the missing coordinate for these cities.
 - a. Springfield 40°N , _____
 - b. Vitória _____, 40°W
 - c. Reno _____, 120°W
 - d. San José 10°N , _____
 - e. Villa Bella _____, 65°W
 - f. Montevideo 35°S , _____

Using Latitude and Longitude



1. Label the cities at these locations on the map.

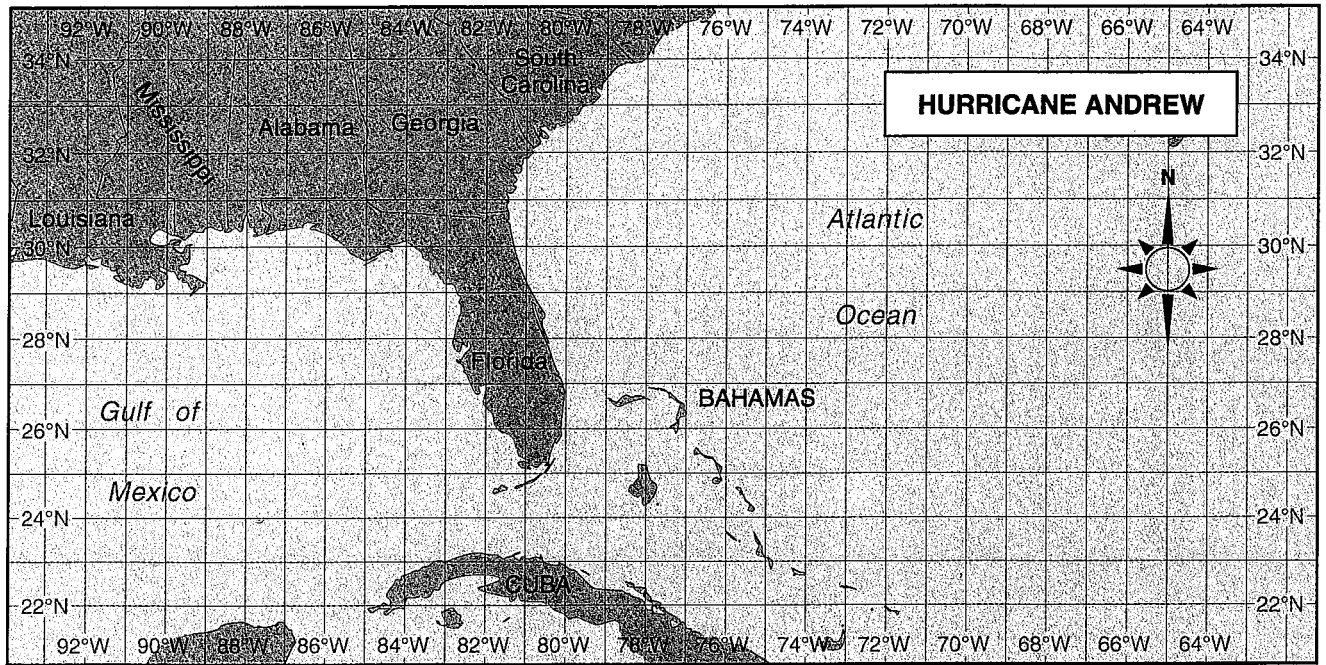
- a. 35° S, 140°E Murray Bridge
- b. 50°N, 5°E Namur
- c. 35°N, 135°E Osaka
- d. 45°N, 10°E Parma
- e. 15° S, 35°E Zomba
- f. 35°N, 0° Saida

2. Write the latitude and longitude coordinates of these cities.

	<u>Latitude</u>	<u>Longitude</u>
a. Helsinki	_____	_____
b. Le Havre	_____	_____
c. St. Petersburg	_____	_____
d. Madang	_____	_____
e. Krakow	_____	_____
f. Hubli-Dharwar	_____	_____

Name: _____

Tracking a Hurricane



- Use the latitude and longitude coordinates to track Hurricane Andrew's path on the map above. Put a dot on the map for each coordinate. Number each dot. Connect the dots to track Hurricane Andrew's path.

Position	Latitude	Longitude	Position	Latitude	Longitude
1	24°N	63°W	9	26°N	85°W
2	25°N	65°W	10	26½°N	87°W
3	26°N	69°W	11	27½°N	89°W
4	25½°N	72°W	12	29°N	91°W
5	25½°N	74°W	13	30°N	91½°W
6	25½°N	76½°W	14	31°N	91½°W
7	25½°N	79°W	15	31½°N	91°W
8	25½°N	81°W	16	32°N	90°W

2.

Andrew traveled

*Only
Do 1-16*

3.

Where did he begin? _____

4.

What was the direction? _____

5.

How fast was it moving? _____

system	a group/collection of related parts working together
pendulum	A mass hanging from a fixed point that is free to swing to and fro
cycle	the swing the pendulum takes from the starting point and back
hypothesis	A prediction of what will happen in an experiment (I think this will happen)
variable	A factor that can change in an experiment that might affect the outcome.
experiment	an investigation designed to find out how variables affect outcomes
controlled experiment	An experiment in which <i>only</i> ONE variable is changed at a time, so the outcome can be compared to the <i>standard</i> (original experiment)
Independent Variable	The ONE variable changed by the scientist in a controlled experiment
Dependent Variable	The outcome / results of the experiment based on the one change made by the scientist
Standard	The basic procedure used in a controlled experiment, before changing any of the variables.

Science Vocabulary: Study for Quiz Friday...9/20/19



Name_____

Class Period_____

“Wagon Train at Dusk” Summary

Directions: Write a summary of “Wagon Train at Dusk.” A **summary** is a concise, complete, and accurate overview of a text. It should not include a statement of your opinion or an analysis.

<p>SCORING (2 points each):</p> <p>_____ Title included</p> <p>_____ Concise</p> <p>_____ No opinions included</p> <p>_____ Accurate</p> <p>_____ Conventions</p> <p>_____ /10</p>

“Grounded” Quick Write

Consider class discussions, presentations, the video, and the Launch Text as you think about the prompt. Record your first thoughts below. While a Quick Write is done quickly, it is important to remember to use complete sentences.

PROMPT: When did a challenge lead to a triumph?

<p>SCORING (2 points each):</p> <p>_____ Restate the question</p> <p>_____ Answer the question</p> <p>_____ Cite Evidence (give a specific example)</p> <p>_____ Explain</p> <p>_____ Conventions</p> <p>_____ /10</p>
--