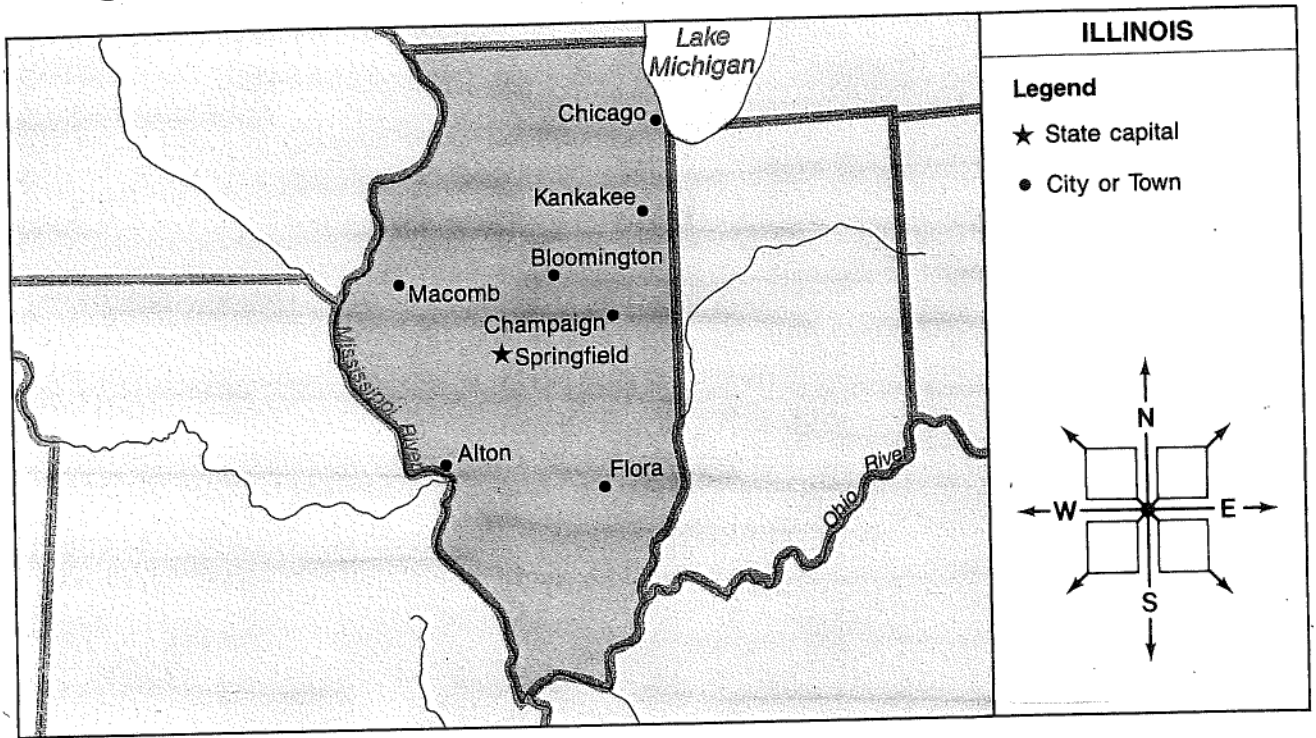


Using Intermediate Directions



MAP ATTACK!

- **Read the title.** This map shows _____.
- **Read the compass rose.** Label the intermediate direction arrows. Use NE for northeast, SE for southeast, SW for southwest, and NW for northwest.

Write the best intermediate direction in each sentence.

1. Find Springfield, the capital of Illinois. Circle it.
Draw a line from Springfield to Bloomington.

Bloomington is _____ of Springfield.

2. Draw a line from Springfield to Alton.

Alton is _____ of Springfield.

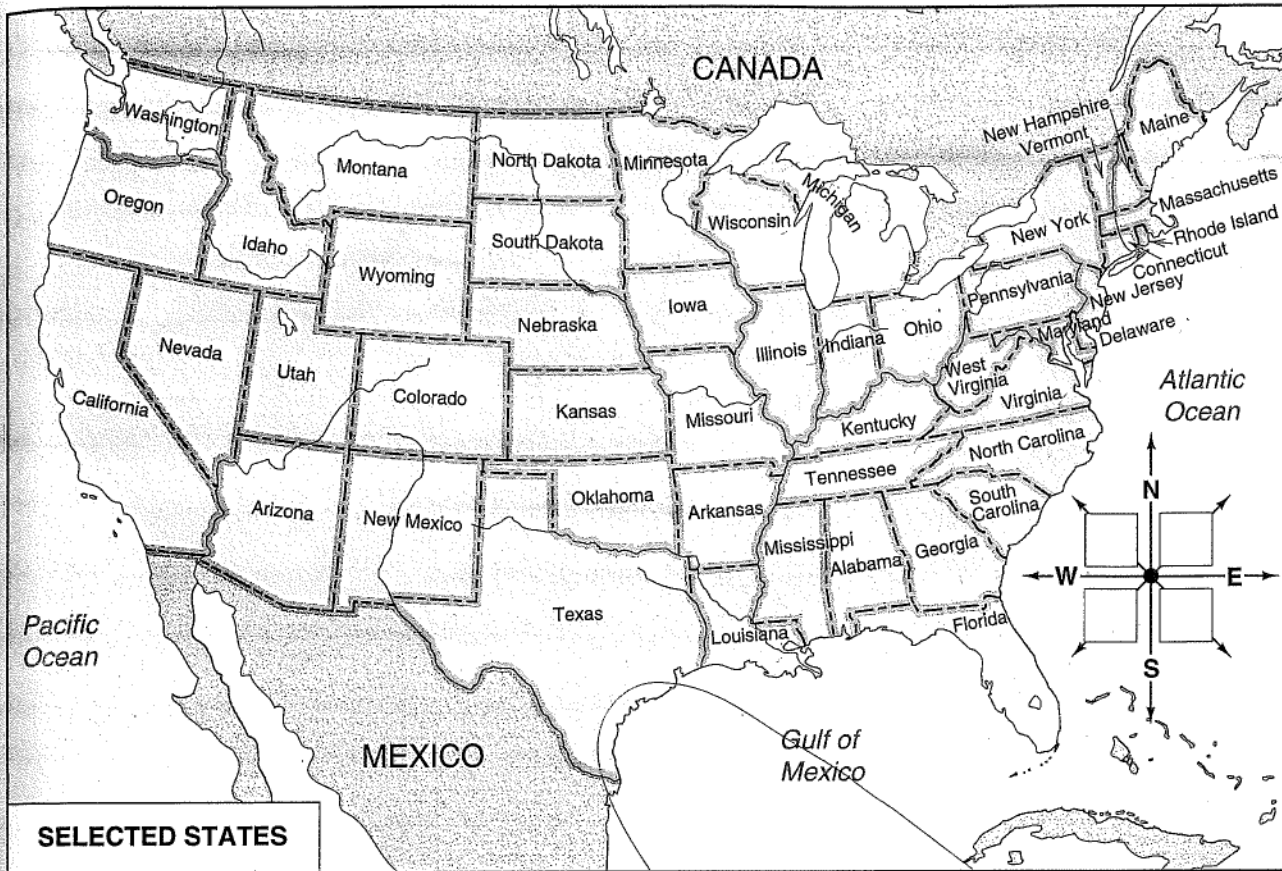
3. Draw a line from Springfield to Flora.

Flora is _____ of Springfield.

4. Draw a line from Springfield to Macomb.

Macomb is _____ of Springfield.

Using Intermediate Directions



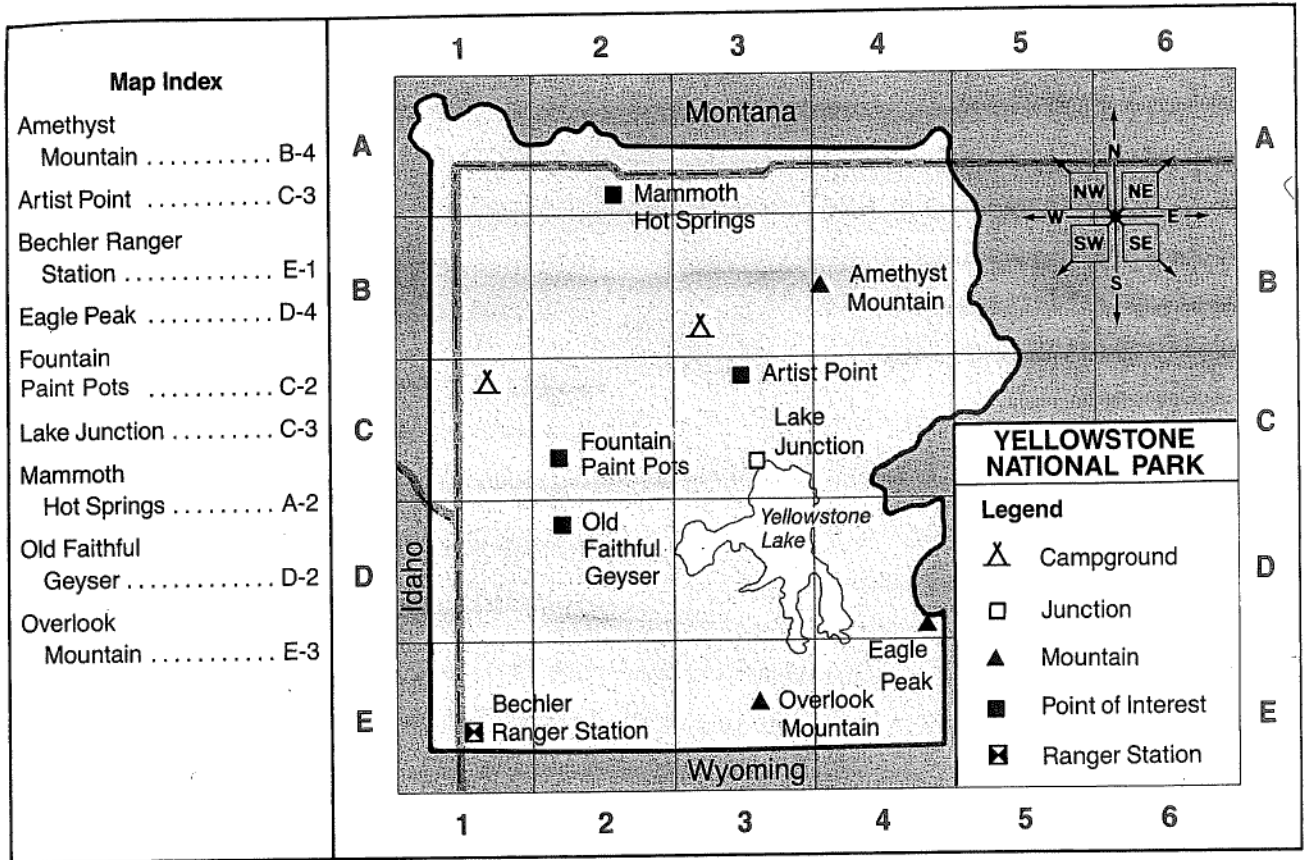
MAP ATTACK!

Follow the steps on page 16 to begin reading this map.

1. Find Colorado on the map. Circle the label.
 - a. Which state is to the northeast of Colorado? _____
 - b. Which state is to the southeast of Colorado? _____
 - c. Which state is to the southwest of Colorado? _____
 - d. Which state is to the northwest of Colorado? _____
2. Find each state below. In which part of the United States is it located? Write NE, SE, SW, or NW.

a. Arizona _____	b. New York _____	c. Massachusetts _____
d. Georgia _____	e. Oregon _____	f. South Carolina _____
g. New Jersey _____	h. Florida _____	i. Pennsylvania _____

Finding Places in Yellowstone National Park



- Use the map index to find each place on the map. Draw a circle around each place.

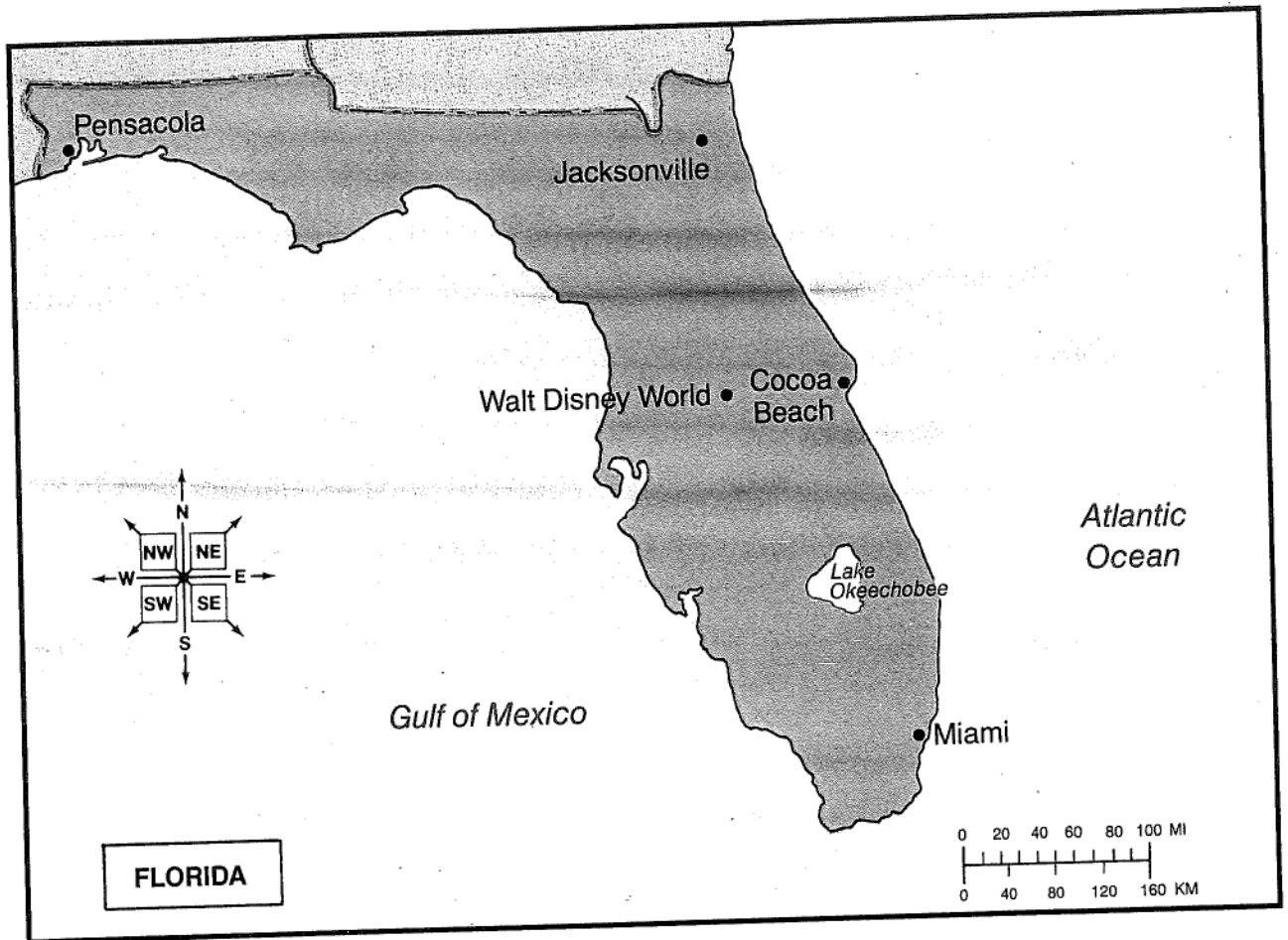
Old Faithful Geyser	Mammoth Hot Springs
Lake Junction	Fountain Paintpots
Bechler Ranger Station	Amethyst Mountain

- Find Artist Point on the map. Draw a circle around it. Write the direction you would travel from Artist Point to each place below. The first one is done for you.

Old Faithful Geyser	<u>SW</u>	Yellowstone Lake	_____
Mammoth Hot Springs	_____	Fountain Paintpots	_____
Amethyst Mountain	_____	Bechler Ranger Station	_____

- Find the symbol for a campground in the legend. Draw a campground symbol southwest of Mammoth Hot Springs.
- The highest mountain peak in Yellowstone Park is in square D-4.

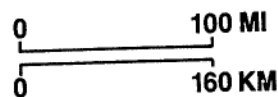
What is the name of this mountain? _____



A map is more than a photograph. A photograph cannot show all the places that a map can. A map helps us locate places. It also helps us figure distances between places.

Florida is 450 miles long. A map cannot be that long! We must make maps small enough to hold. So on this map of Florida, one inch equals one hundred miles.

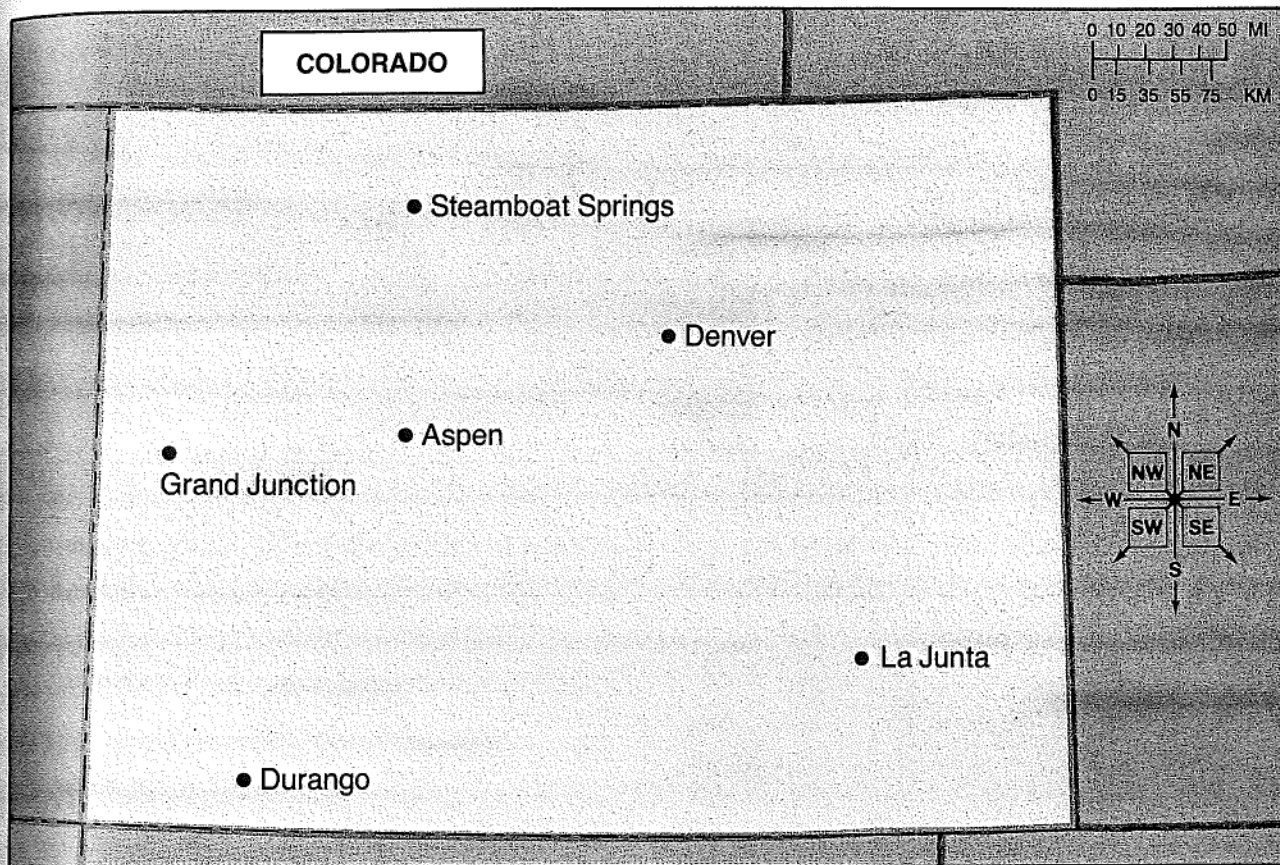
How do we know that? We find out that one inch equals one hundred miles by reading the **map scale**. A map scale looks like this:



The marks and numbers along the top stand for distance in miles. The marks and numbers along the bottom stand for distance in kilometers. **Miles** and **kilometers** are two ways of measuring distance.

- ▶ Find the map scale on the map above.
- What letters stand for miles?
- What letters stand for kilometers?

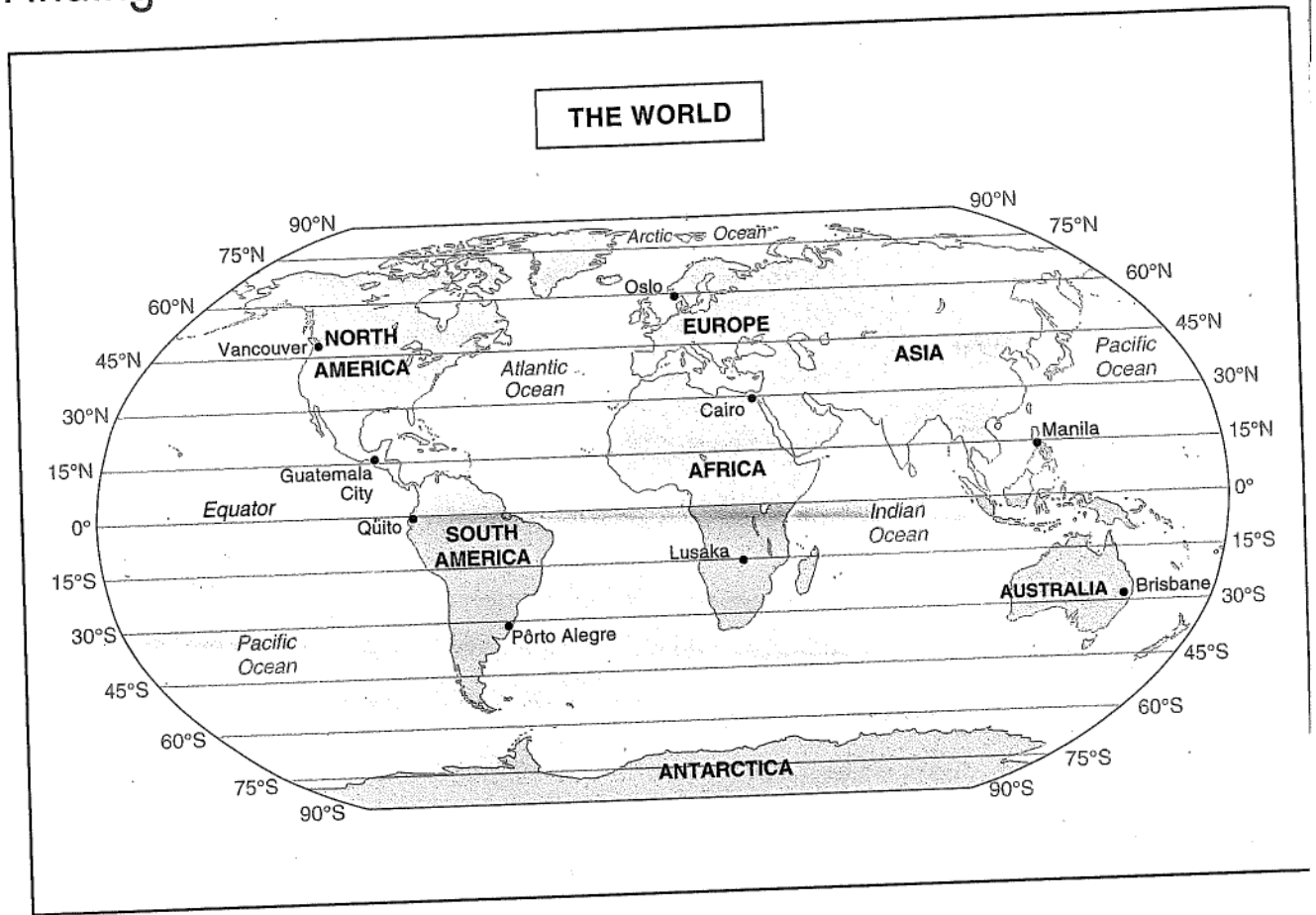
Figuring Distances on a Map



You are about to go on a flying trip through the Rocky Mountains. Your plane will land in several cities. How many miles will you travel? Use the map scale and the edge of a piece of paper to figure the distance.

1. Draw a line from Denver to Durango.
Measure the distance from Denver to Durango. _____ miles
2. Draw a line from Durango to Aspen.
Measure the distance from Durango to Aspen. _____ miles
3. Draw a line from Aspen to Steamboat Springs.
Measure the distance from Aspen to Steamboat Springs. _____ miles
4. Draw a line from Steamboat Springs to Denver.
Measure the distance from Steamboat Springs to Denver. _____ miles
5. How many miles did you fly? Add the number of miles between each city. The total distance of your trip was _____ miles.

Finding Latitude



1. What two cities are at 30°S? _____
2. What two cities are at 15°N? _____
3. What city is at 30°N? _____
4. What city is near 45°N? _____
5. What city is at 60°N? _____
6. What city is at 0°? _____
7. What city is at 15°S? _____
8. 75°S crosses which continent? _____
9. What direction would you go from Guatemala City to Oslo? _____
10. What direction would you go from Cairo to Pôrto Alegre? _____
11. What direction would you go from Manila to Oslo? _____