Name _____ Math 7

Scale Maps/Proportion Word Problems Lesson 5-6 Stewart

1. On a map, 5 inches represents 100 miles. How many inches would there be between two cities that are 2,500 miles apart?

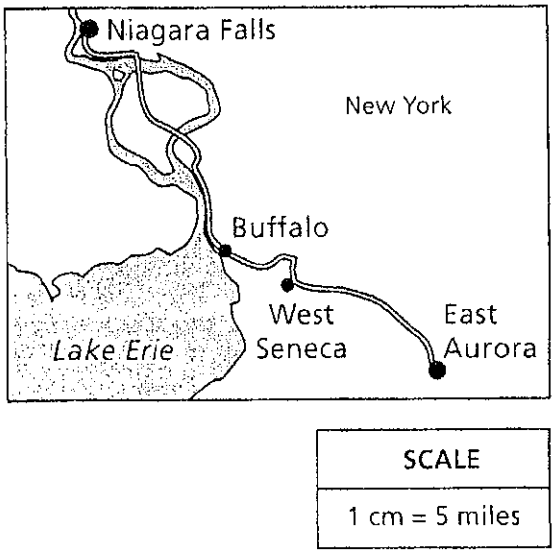
2. An architect is making a scale model of a building that he will be designing. This building will be 75 feet tall. On the model, 5cm will represent 3ft. How many centimeters tall will the model be?

3. Joe is traveling from one city to another. He is looking at a map and realizes that 4cm represents 25 miles. He then uses a ruler to measure the distance on the map between the two cities that he is traveling. The distance between them is 160cm. How far, in miles, are the two cities apart?

4. On a map, ¼ inch represent 12 miles. The distance between two cities on that map is 3¼ inches. What is the actual distance, in miles, between the two cities? (Hint: ¼ means 0.25)

5. On a map, the 1 inch represents 100 miles. If the points below were on that map, how far apart, in miles, would they actually be? Use a ruler and proportion to solve. Show all work.

6. Maria is planning a trip from Niagara Falls to East Aurora. Use the map below and a ruler to determine about how far Maria has to travel to get from Niagara Falls to East Aurora. Be sure to show all your work (use a proportion).



7. Roberta and her family drove from Flagstaff to Tuscon. The scale map below shows the route they took. If there were a road that took you directly from Flagstaff to Tuscon in a straight line, how long would that road be in miles? Use your ruler, a proportion, and the scale map below. Show all work.