

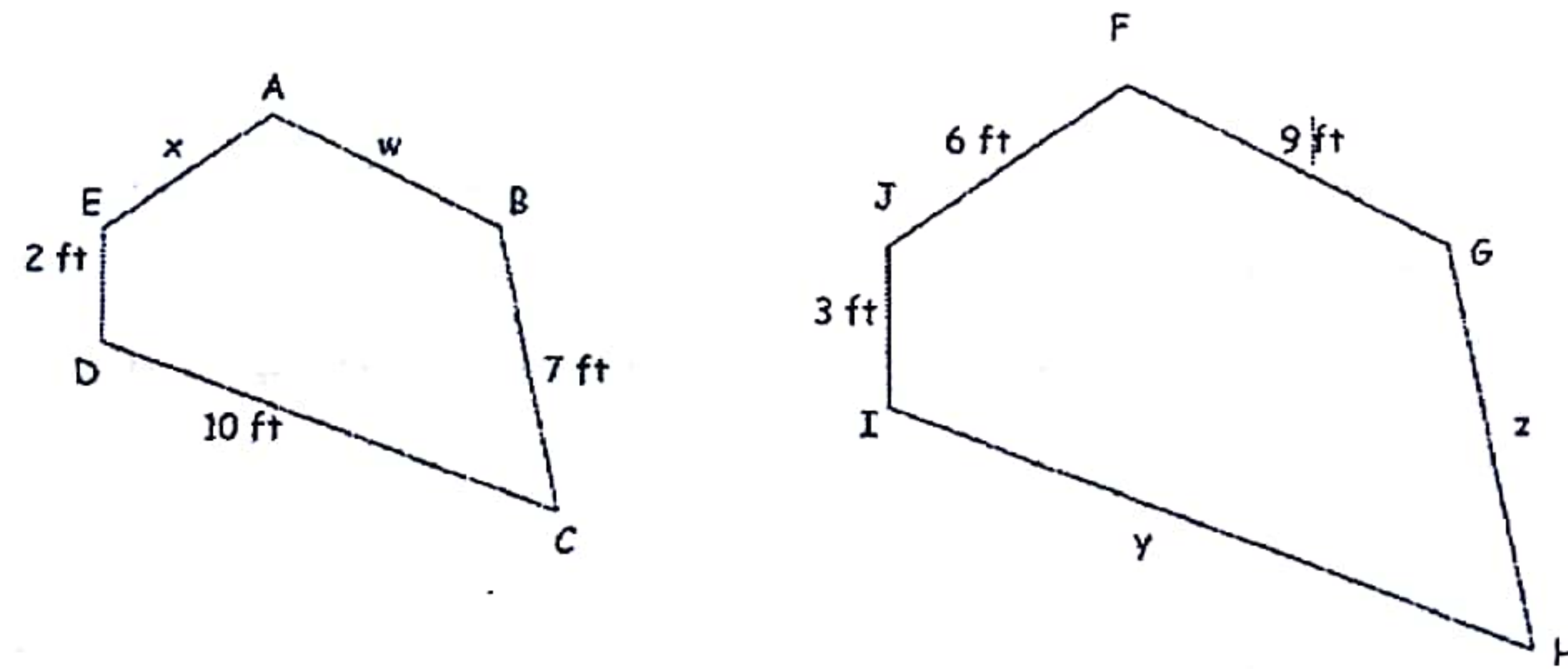
Name _____

Proportion Study Guide

1.

f. What is the perimeter of Hexagon ABCDE? _____.

g. What is the perimeter of Hexagon FGHIJ? _____.



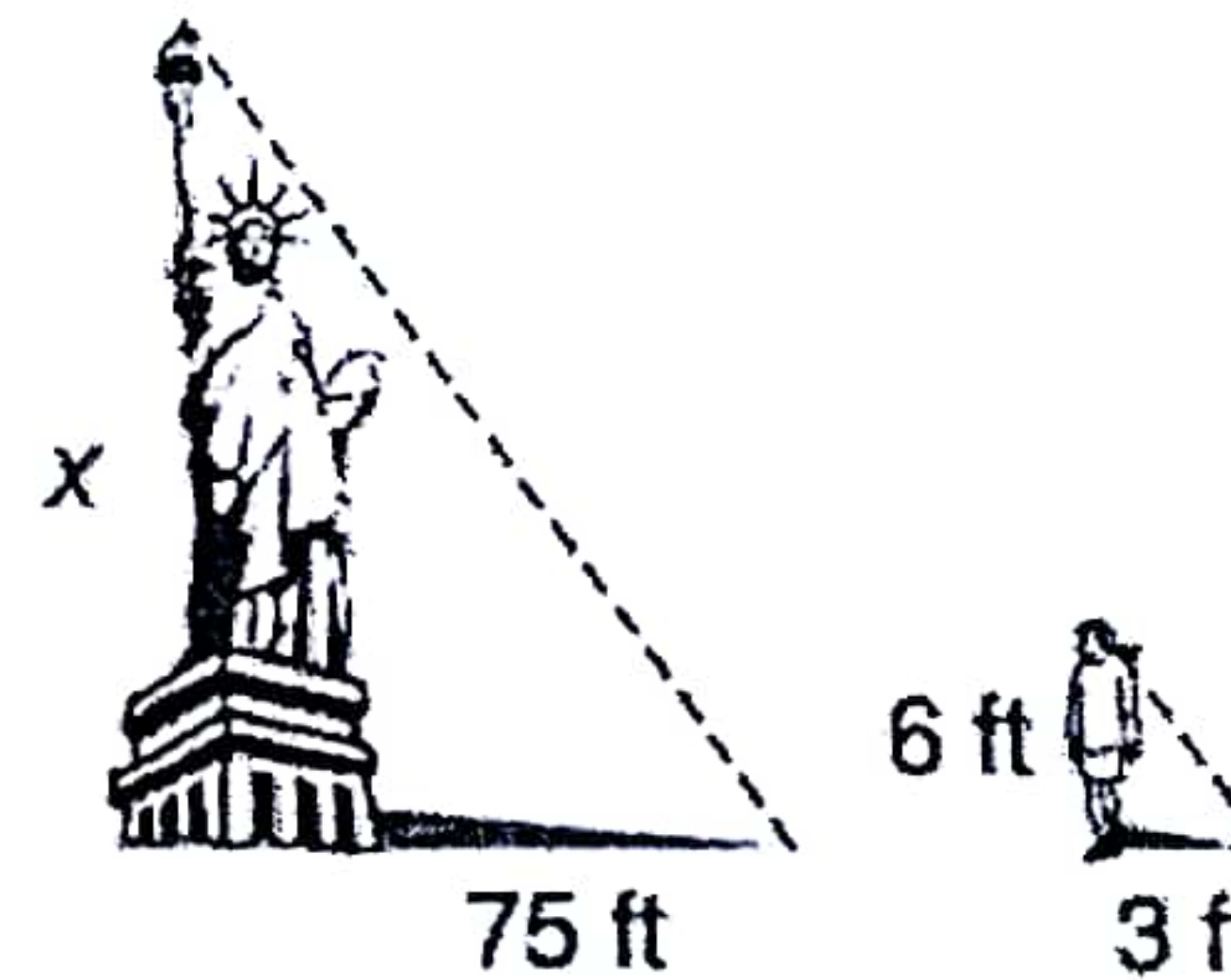
2. Mr. Smith, a 5-foot-tall teacher, casts a shadow that is 12 feet long. What is the height of a student who casts a 10-foot shadow?

3. A 6-foot street sign casts a 9-foot shadow. The lamppost next to it casts a 24-foot shadow. How tall is the lamppost?

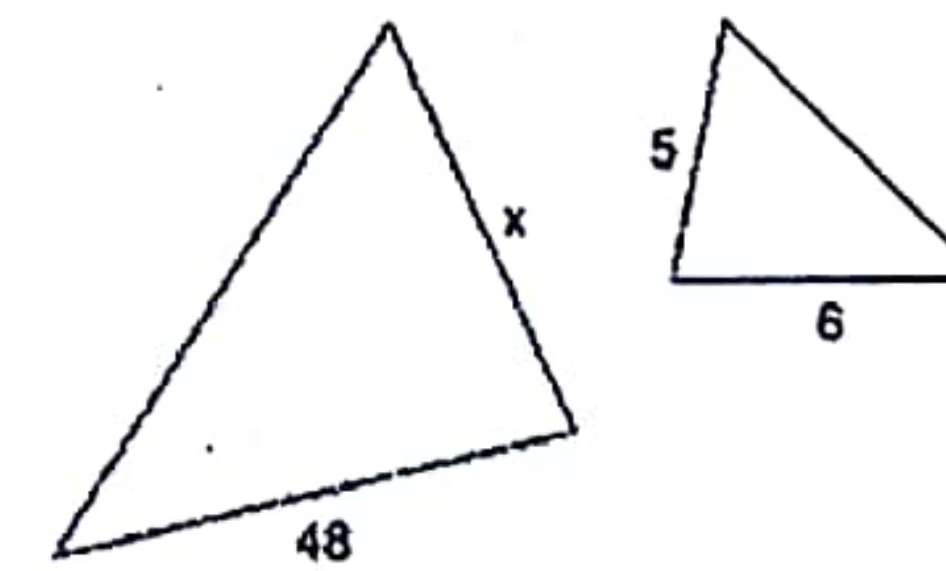
4. On a map, the distance between Branchburg and Trunktown is 2.1 centimeters. If the map scale is 1 centimeters = 25 kilometers, what is the actual distance between the cities?

5. Kira is drawing a map with a scale of 1 inch = 50 miles. The actual distance from Park City to Gatesville is 80 miles. How far from the dot representing Gatesville should Kira draw the dot representing Park City?

6. Find the height of the statue



7. Find X



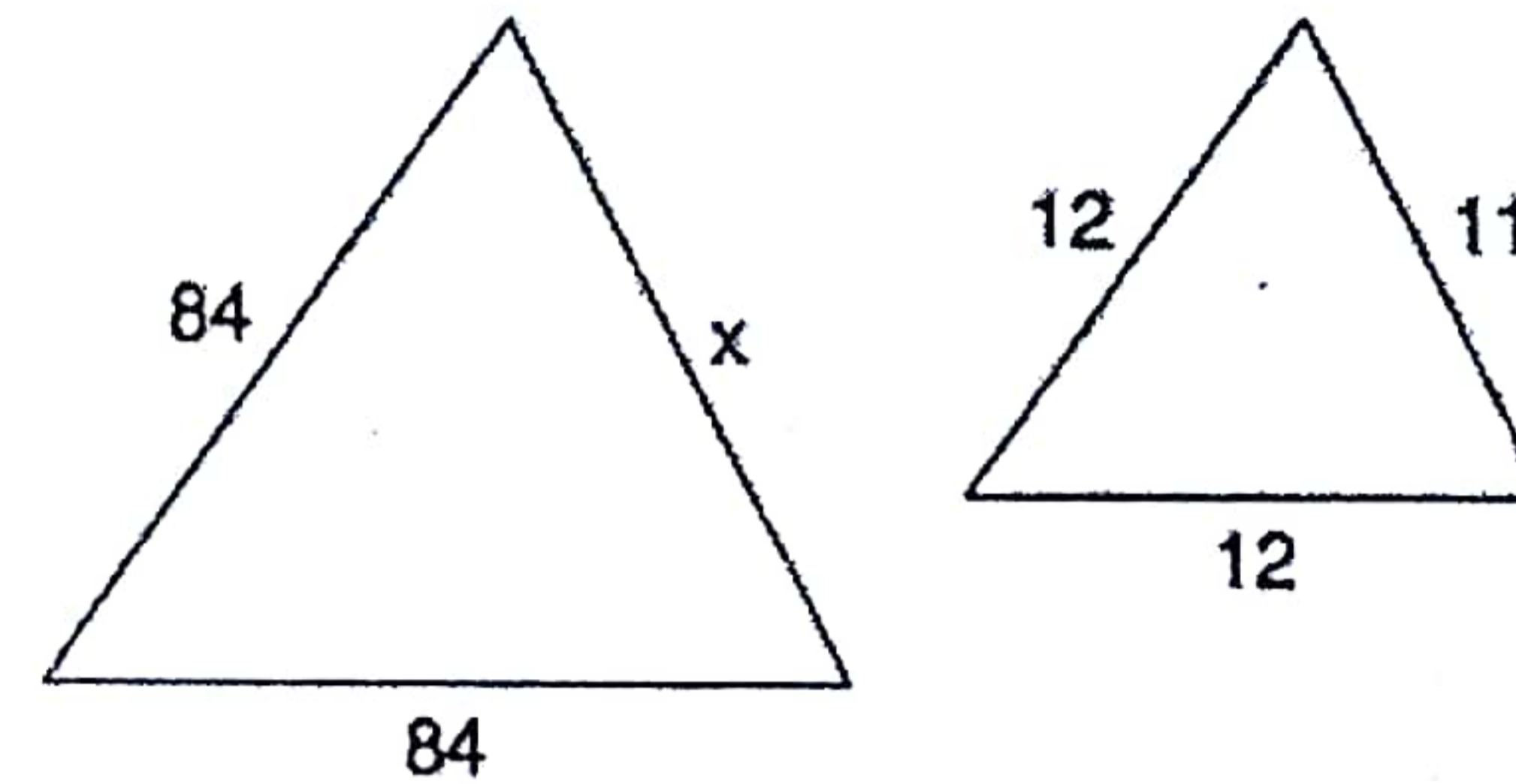
8. On a map the scale is 3in=5miles. If the distance on the map between Raleigh and Charlotte was 90 inches, how many miles apart are the 2 cities?

9. On a map of New York the scale is 2 inches = 5 miles. If the distance between Long Island and New York City is 130 miles. How many inches apart are the 2 cities on the map?

10. On a map of the USA the scale is 2 inches =60 miles. If the distance between California and North Carolina is 1200 Miles, how far apart would the 2 states be on the map?

11. Allison is 5.5 ft. tall and casts a shadow that is 10 feet long. If a near by light post cast a shadow that is 30 feet long, how tall is the light post?

12.



13. The dimensions of a bedroom is 10 feet by 15 feet. The scale is 3 in : 5 feet. Find the **area** of the scale drawing.