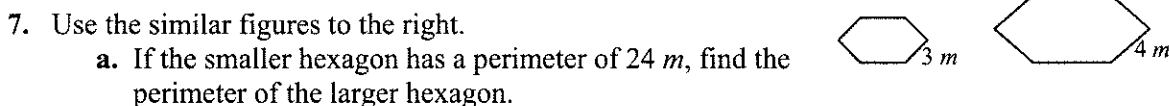
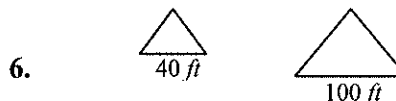
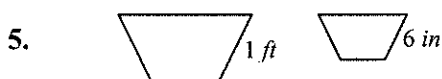
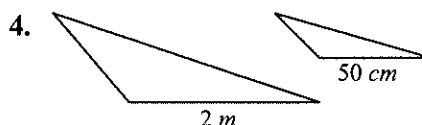
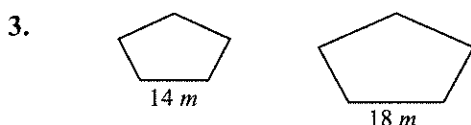
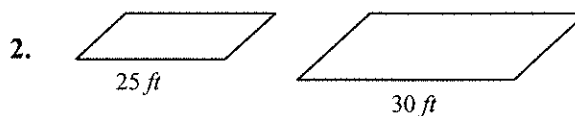
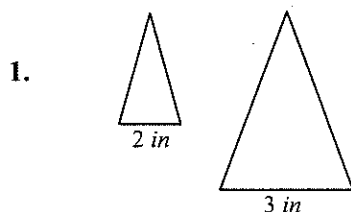


Lesson 10C ~ Special Ratios for Similar Figures

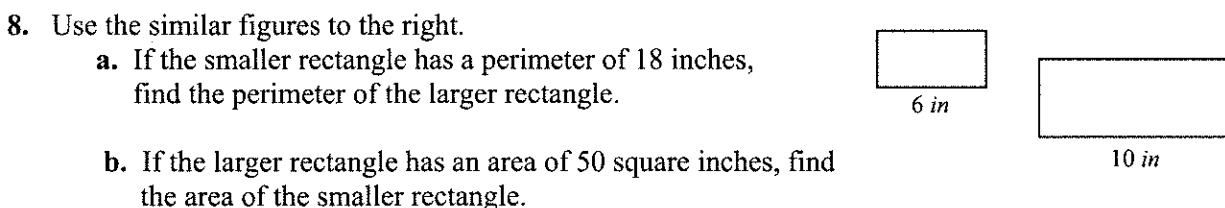
Name _____ Period _____ Date _____

For each pair of similar figures:

- a. Find the scale factor (units must be the same).
- b. Find the ratio of the perimeters.
- c. Find the ratio of the areas.



b. If the larger hexagon has area $32 m^2$, find the area of the smaller hexagon.



9. Two octagons are similar. They have a scale factor of 2 : 3.
- a. If the larger octagon has a perimeter of 36 centimeters, what is the perimeter of the smaller octagon?
 - b. If the smaller octagon has an area of 24 square centimeters, what is the area of the larger octagon?