

Name : \_\_\_\_\_

## Perimeter and Area

L1S2

- 1) The scale factor of similar parallelograms P to Q is 8 : 7. If the area of parallelogram Q is 147 square yards, find the area of parallelogram P.

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- 2) Rhombus F and rhombus G are similar. The scale factor of F to G is 1.6 : 5.5. Determine the perimeter of G, if the perimeter of F is 120 yards.

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- 3) Two regular triangles C and D are similar. If the area of triangle C is 16 square inches, find the area of triangle D, if the side length of D is 3 times that of C.

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- 4) Two regular figures are similar. The perimeter of the smaller figure is 12 yards, and the perimeter of the larger figure is 48 yards. Find the ratio of the area of the smaller figure to the area of the larger figure.

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- 5) Two similar pentagons U and T are shown. The scale factor of T to U is 0.5 : 1. The area of pentagon U is 25 square inches. Find the area of pentagon T.

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