

Name : _____

Perimeter and Area

L2S3

- 1) The perimeter and the area of hexagon U are 4 m and 2 m^2 respectively. The perimeter of hexagon V is 32 m. If the given two hexagons are similar, find the area of hexagon V.

- 2) The perimeters of similar isosceles triangles D and E are 64 cm and 72 cm respectively. Find the area of E, if the area of D is 128 cm^2 .

- 3) X and Y are regular polygons with perimeters of 48 cm and 144 cm^2 respectively. Determine the perimeter of Y,

- 4) The areas of two similar rectangles are 16 cm^2 and 25 cm^2 respectively. Find the perimeter of the larger rectangle, if the perimeter of the smaller rectangle is 20 cm.

- 5) The perimeters of two similar squares are 10 cm and 14 cm respectively. Find the sum of their areas.

- 6) The sum of perimeters of two equilateral triangles is 35 cm. Determine the perimeter of each triangle, if the areas of triangles are 45 cm^2 and 80 cm^2 .

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