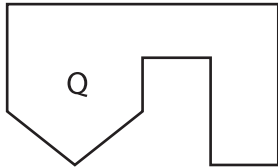Name : _____

Scale Factors - Area

Each pair of figures is similar. Find the missing area. (A denotes Area)

1) Scale factor of Q to R is 6.4 : 1.7
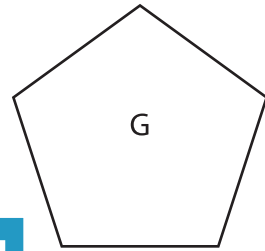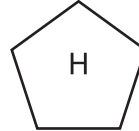
Q

R

A = ?

A = 81.92 yd²
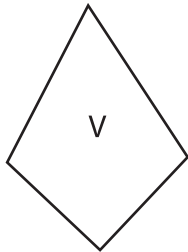
Area of figure R =

2) Scale factor of H to G is 2 : 3.5

H

G

A = 49 ft²

= _____

3) Scale factor of U to

to X is 5 : 0.2

V

Y

A = ?

A = ?

Area of figure V =

= _____

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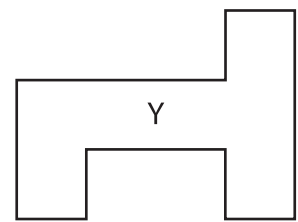
5) The scale factor of   ller heptagon is 33.8 square feet. Find th

_____

6) Find the area of figure B, if the area of figure C is 192 square inches and the scale factor of similar geometric figures B to C is 1 : 8.

_____