

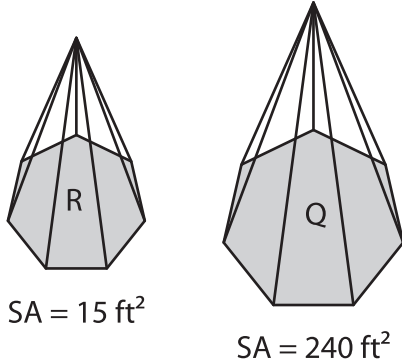
Name : \_\_\_\_\_

## Scale Factors

Sheet 1

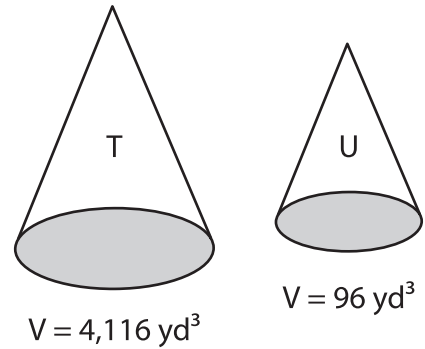
Each pair of figures is similar. Find the scale factor. (SA denotes Surface Area and V denotes Volume)

1)



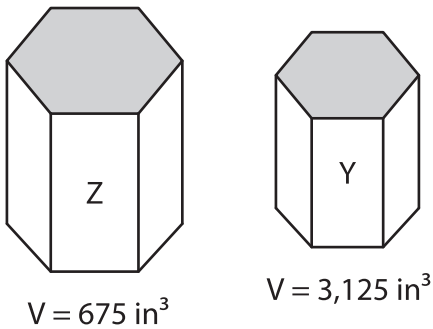
Scale factor of R to Q is \_\_\_\_\_

2)



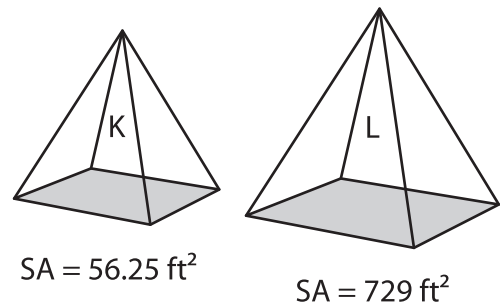
Scale factor of T to U is \_\_\_\_\_

3)



Scale factor of Y to Z is \_\_\_\_\_

4)



Scale factor of L to K is \_\_\_\_\_

- 5) The surface areas of cubes B and C are 158.76 square inches and 2.25 square inches respectively. What will be the scale factor of C to B?

\_\_\_\_\_

- 6) M and N are similar triangular pyramids. Their corresponding volumes are 4,000 cubic yards and 6,912 cubic yards. Determine the scale factor of N to M.

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