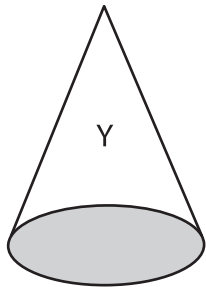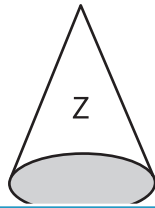Name : _____

Scale Factors - Volumes

Each pair of figures is similar. Find the missing volume. (V denotes Volume)

1) Scale factor of Y to Z is 9 : 6.5

Y

Z
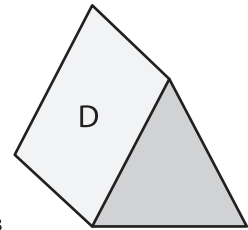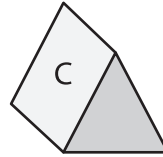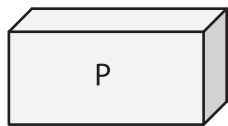
V = ?

Volume of figure Y

2) Scale factor of C to D is 1.7 : 4

C

D

V = ?

e D = _____

3) Scale factor of Q to

P

V = ?

Volume of figure P
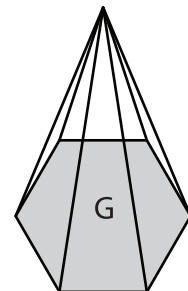
G to H is 6 : 5

G

V = 216 in³

e H = _____

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5) Two similar octago   e of the larger pyramid
   is 512 cubic yards,

   _____

6) Find the volume of cube U, if the volume of cube T is 36.501 cubic feet and the scale factor of
   T to U is 2.3 : 3.4.

   _____