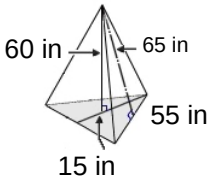
Name : _____ Score : _____

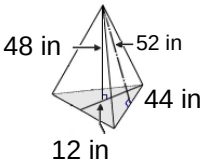
Teacher : _____ Date : _____

Similar Solids

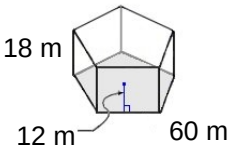
Determine whether the figures are similar. If they are, find the scale factor.

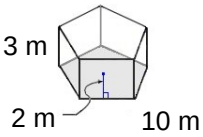
1)



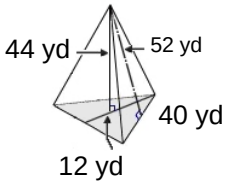


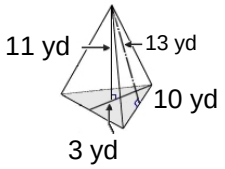
2)





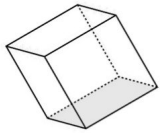
3)

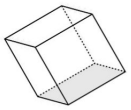




Each pair is similar. Use the given information to find the scale factor of the left vs right figure.

4)





SA: 704 in^2

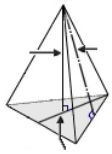
SA: 99 in^2

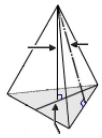
5)

Vol: 4608 ft^3

Vol: 1125 ft^3

6)



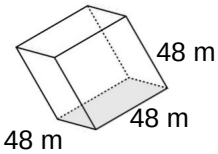


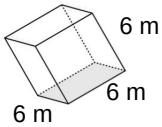
SA: 475 ft^2

SA: 76 ft^2

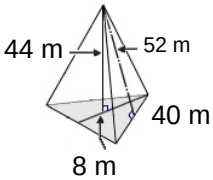
Each pair is similar. Find the scale factor between the figures, the surface areas, and the volumes.

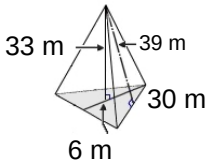
7)



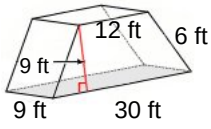


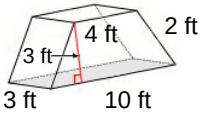
8)





9)





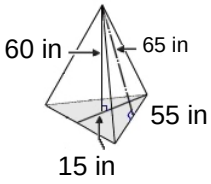
Name : _____ Score : _____

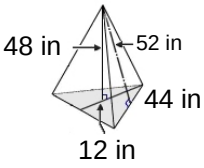
Teacher : _____ Date : _____

Similar Solids

Determine whether the figures are similar. If they are, find the scale factor.

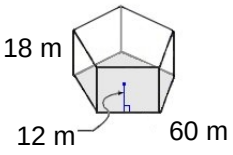
1)

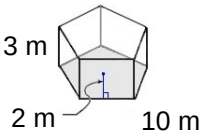




5 : 4

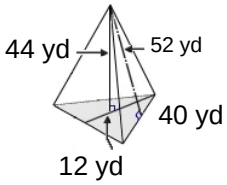
2)

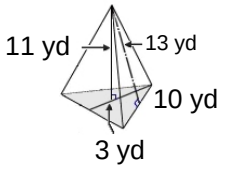




6 : 1

3)

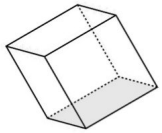




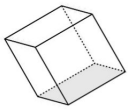
4 : 1

Each pair is similar. Use the given information to find the scale factor of the left vs right figure.

4)



SA: 704 in^2



SA: 99 in^2

8 : 3

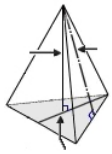
5)

Vol: 4608 ft^3

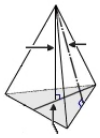
Vol: 1125 ft^3

8 : 5

6)



SA: 475 ft^2

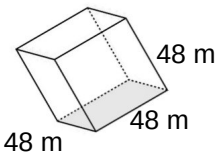


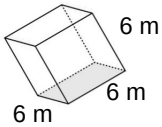
SA: 76 ft^2

5 : 2

Each pair is similar. Find the scale factor between the figures, the surface areas, and the volumes.

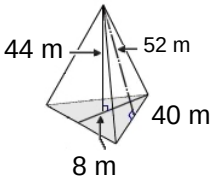
7)

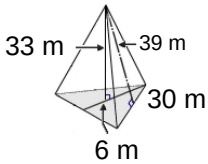




8 : 1, 64 : 1, 512 : 1

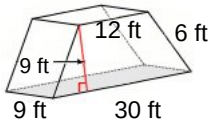
8)

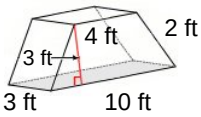




4 : 3, 16 : 9, 64 : 27

9)





3 : 1, 9 : 1, 27 : 1