Classwork 11/3/17 Due at the end of class:

Find the volume of each shape below:

***Hint: You may have to use Pythagorean Theorem for some of the problems.
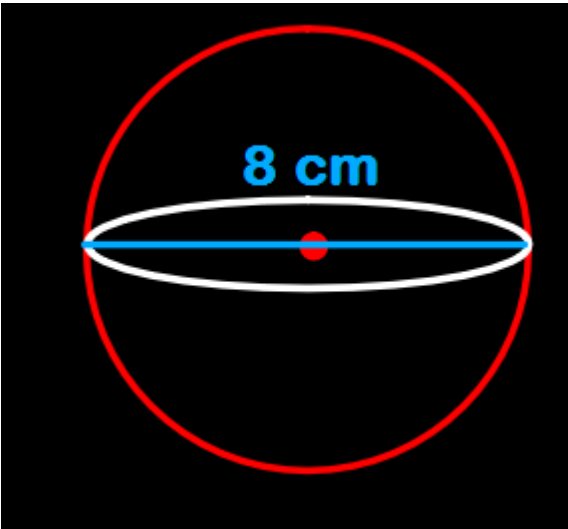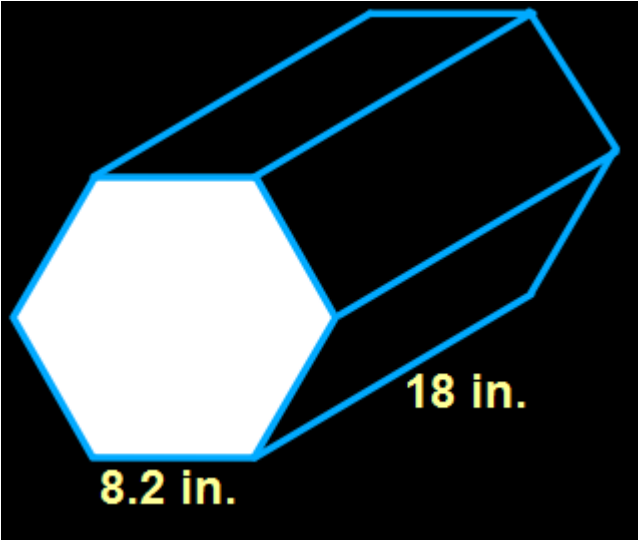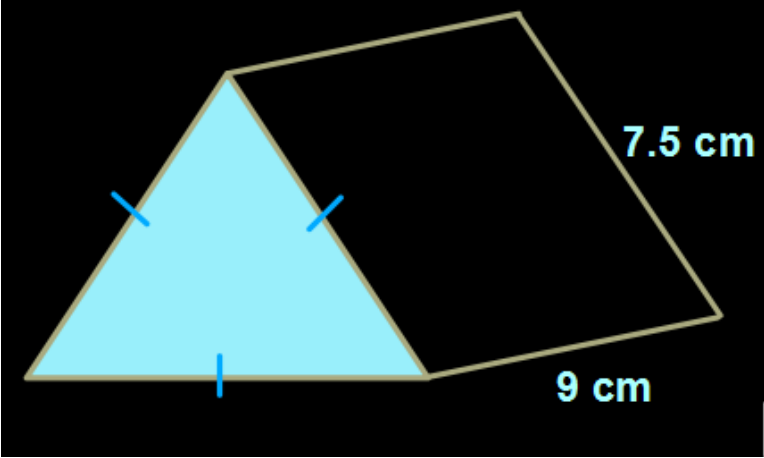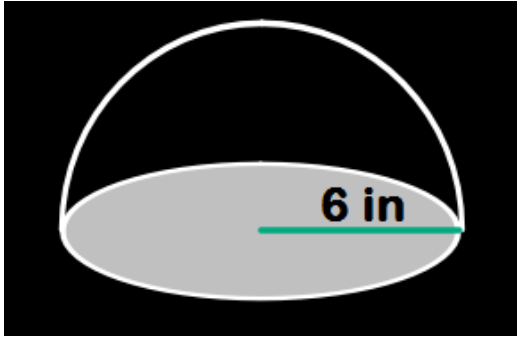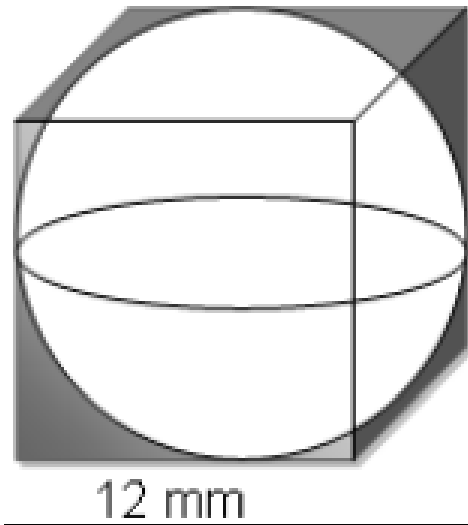


12 cm

13 cm



13 cm

10 cm



26 ft

20 ft

7.5 cm

9 cm



18 in.

8.2 in.



8 cm
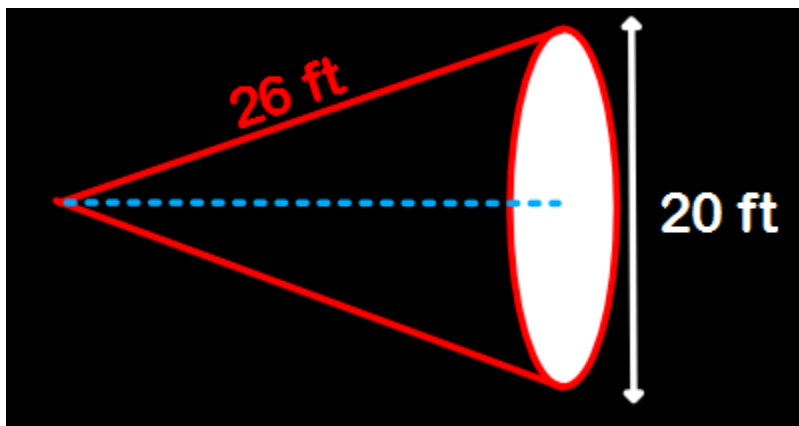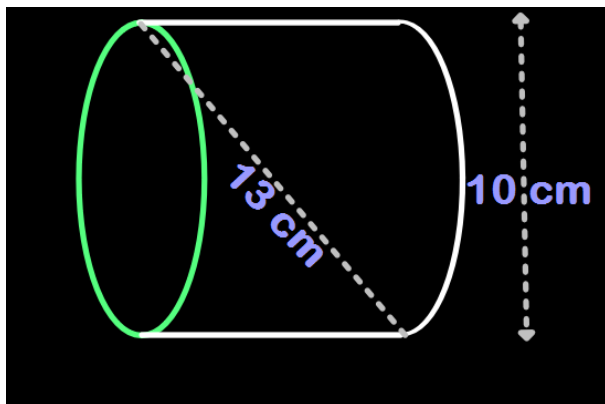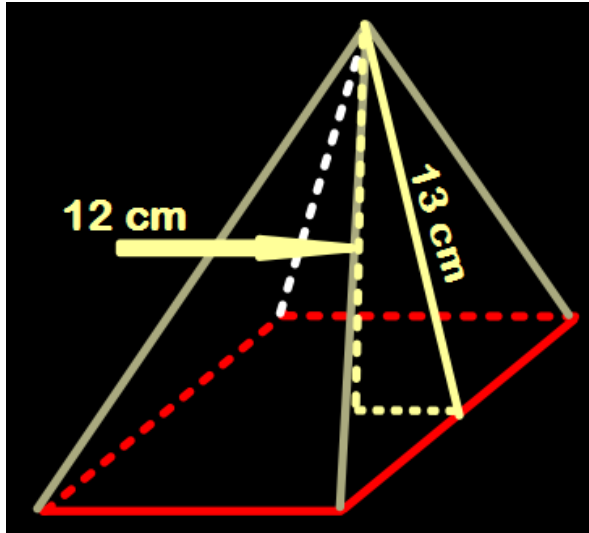
Find the difference between the volume of the cube and the volume of the sphere:



12 mm

Joshua wants to buy a pack of gum. He's comparing 2 brands, each package costs the same amount.
Package #1 has 20 pieces of gum and has a radius of 5 mm.
Package #2 has 5 pieces of gum and has radius of 10 mm.

Which pack should Joshua buy?
Defend your claim...

Find the ratio of the volume of a rectangular prism to the volume of another rectangular prism in which the length, width and height have been doubled.
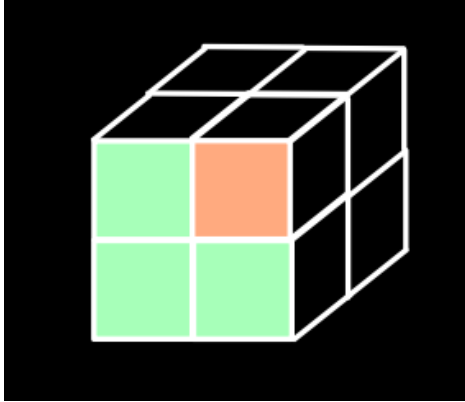


Find the ratio of the volume of a rectangular prism to the volume of another rectangular prism in which only the height is doubled.



Find the ratio of the volume of a cube to the volume of another cube in which each edge is tripled.
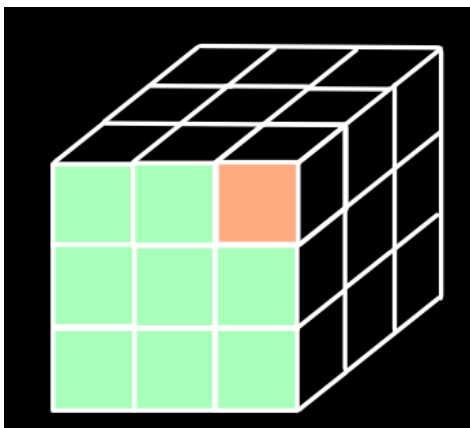


Textbook Pg. 729 (#5-19 Odd) Show your work, but you may check your answers in the back of the book.