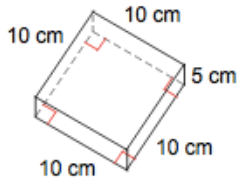
Prisms: V=Bh (which shapes are bases for each!)

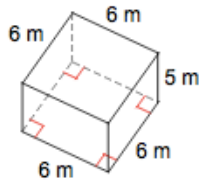
3-D volume problems

Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

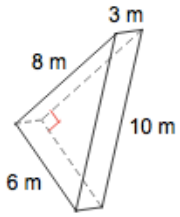
1)



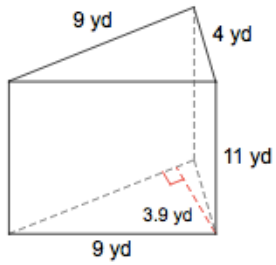
2)



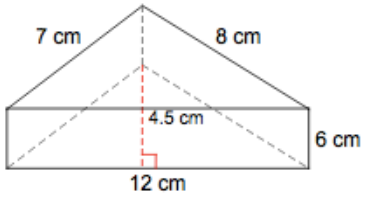
3)



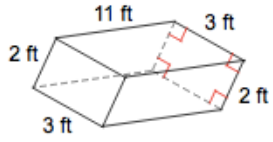
4)



5)

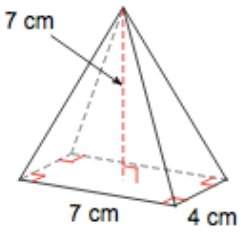


6)

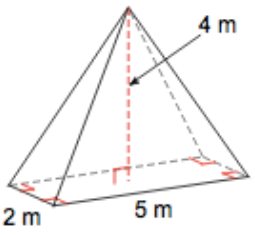


Pyramids: V= 1/3 Bh (check the base shape!!!)

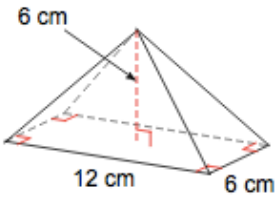
7)



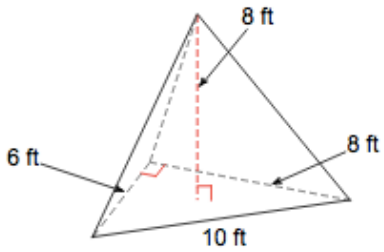
8)



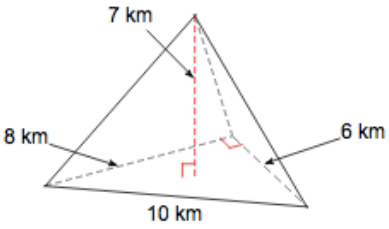
9)



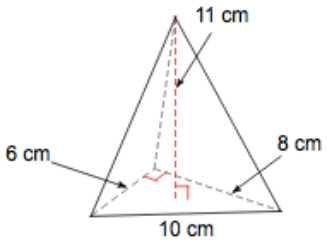
10)



11)

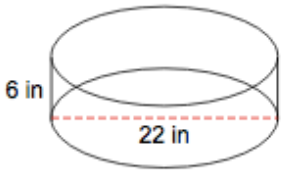


12)

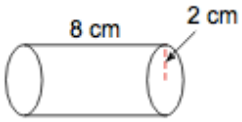


Cylinders: $\pi r^2 h$ cones: $1/3\ \pi r^2 h$ spheres: $4/3 \pi r^3$
Look out for radius or diameter

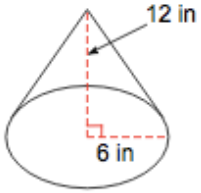
13)



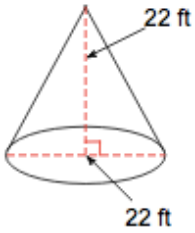
14)



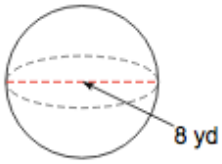
15)



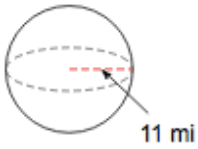
16)



17)



18)



What would be the volume of the hemisphere for question 18?

Answers to 3-D volume problems

1) 500 cm^3	2) 180 m^3	3) 72 m^3	4) 193.05 yd^3
5) 162 cm^3	6) 66 ft^3	7) 65.33 cm^3	8) 13.33 m^3
9) 144 cm^3	10) 64 ft^3	11) 56 km^3	12) 88 cm^3
13) 2280.8 in^3	14) 100.53 cm^3	15) 452.39 in^3	16) 2787.64 ft^3
17) 268.08 yd^3	18) 5575.28 mi^3		