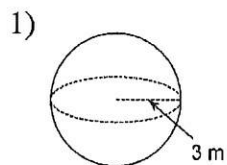
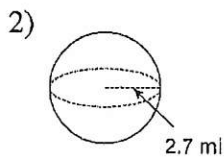


13.1: Volume

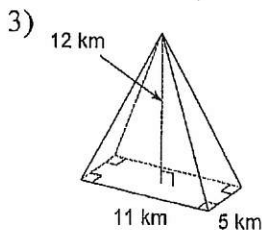
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary. Leave your answers in terms of  $\pi$  for answers that contain  $\pi$ .



$36\pi \text{ m}^3 = 113.1 \text{ m}^3$

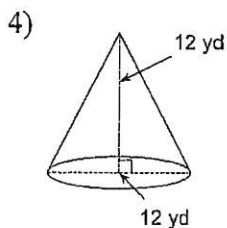


$26.24\pi \text{ mi}^3 = 82.4 \text{ mi}^3$

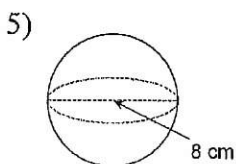


$220 \text{ km}^3$

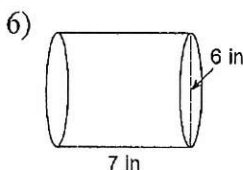
$220 \text{ km}^3$



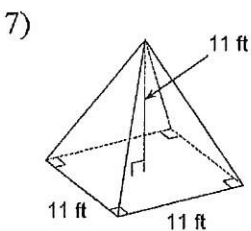
$144\pi \text{ yd}^3 = 197.9 \text{ yd}^3$



$85.33\pi \text{ cm}^3 = 268.1 \text{ cm}^3$

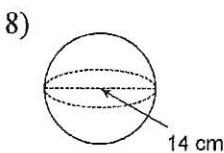


$63\pi \text{ in}^3 = 197.9 \text{ in}^3$

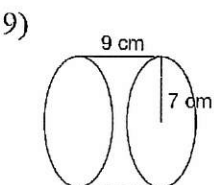


$443.67 \text{ ft}^3$

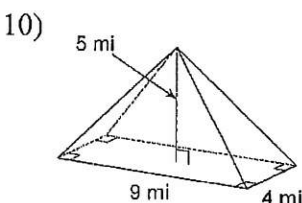
$443.67 \text{ ft}^3$



$457.33\pi \text{ cm}^3 = 1,436.7 \text{ cm}^3$



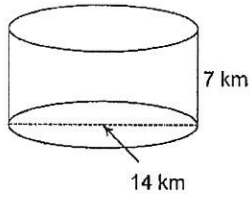
$441\pi \text{ cm}^3 = 1,385.4 \text{ cm}^3$



$60 \text{ mi}^3$

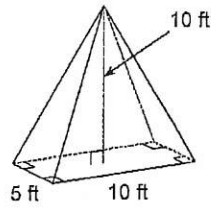
$60 \text{ mi}^3$

11)



$343\pi \text{ km}^3 = 1,077.6 \text{ km}^3$

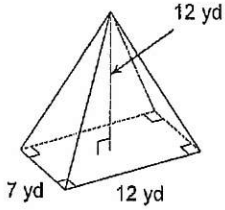
12)



$166.67 \text{ ft}^3$

$166.67 \text{ ft}^3$

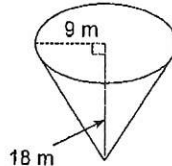
13)



$336 \text{ yd}^3$

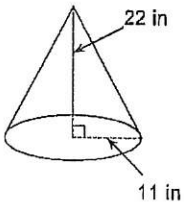
$336 \text{ yd}^3$

14)



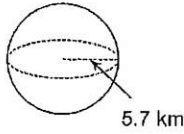
$486\pi \text{ m}^3 = 1,526.8 \text{ m}^3$

15)



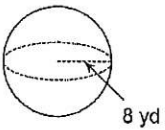
$887.33\pi \text{ in}^3 = 2,787.6 \text{ in}^3$

16)



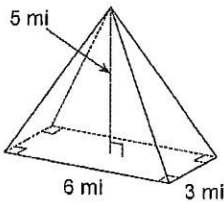
$246.92\pi \text{ km}^3 = 775.7 \text{ km}^3$

17)



$682.67\pi \text{ yd}^3 = 2,144.7 \text{ yd}^3$

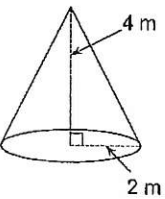
18)



$30 \text{ mi}^3$

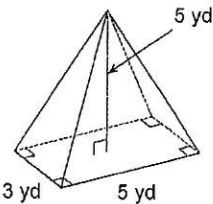
$30 \text{ mi}^3$

19)



$5.33\pi \text{ m}^3 = 16.7 \text{ m}^3$

20)



$25 \text{ yd}^3$

$25 \text{ yd}^3$