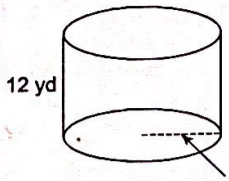
Geometry 1.28.20 Name_____

CLASSWORK: Working Backwards with Volume

Given the volume, find the indicated dimension.

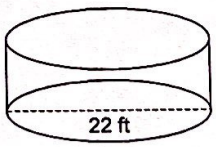
1)



radius =

$V = 972\pi$ yd³

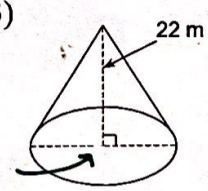
2)



height =

$V = 968\pi$ ft³

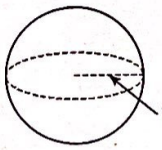
3)



diameter =

$V = 887.33\pi$ m³

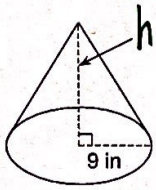
4)



radius = ?

$V = 166.67\pi$ cm³

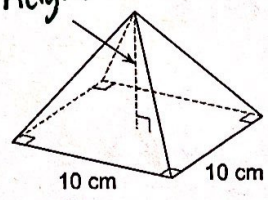
5)



height =

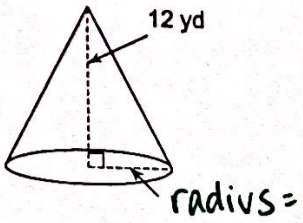
$V = 486\pi$ in³

6) height =



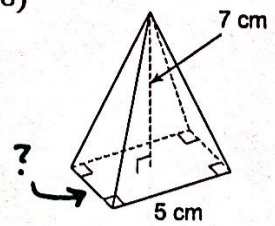
$V = 233.33$ cm³

7)



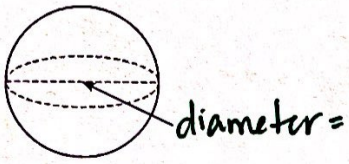
$V = 144\pi$ yd^3

8)



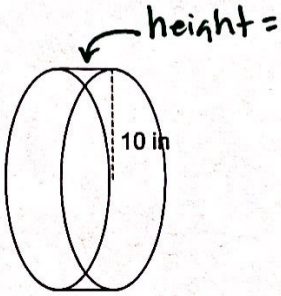
$V = 35$ cm^3

9)



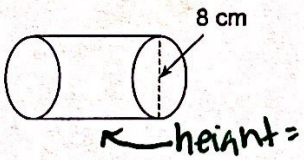
$V = 1.33\pi$ in^3

10)



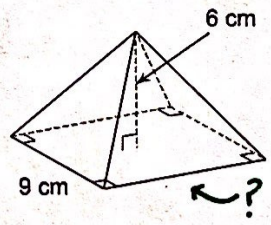
$V = 500\pi$ in^3

11)



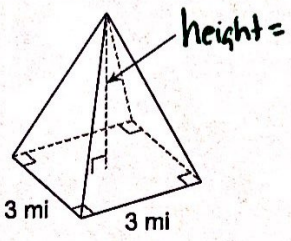
$V = 192\pi$ cm^3

12)



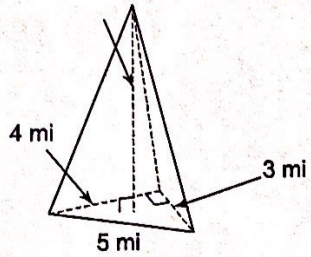
$V = 162$ cm^3

13)



$V = 12$ mi^3

14) height = ?



$V = 16$ mi^3