Name_____ Date_____

Geometry – Volume of Cylinders

For all volumes problems, use 3.14 for π

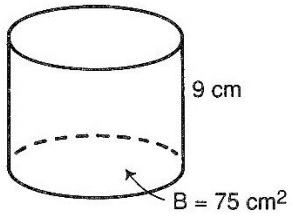
1) To find the **area of a circle** you would use the formula: A = _____

2) To find the **volume of a cylinder** you would use the formula: V = _____

or V = _____

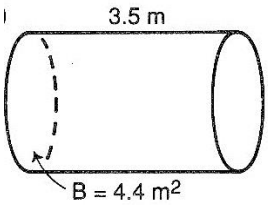
Find the volumes of the following. SHOW ALL WORK.

3)



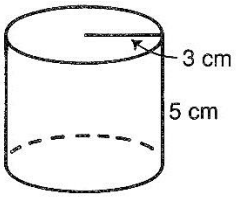
V = _____

4)



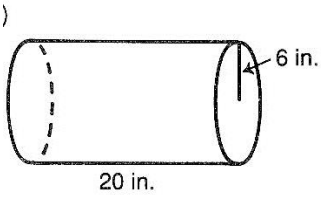
V = _____

5)



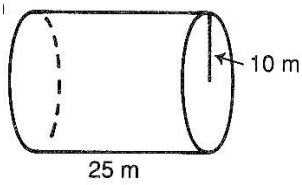
V = _____

6)



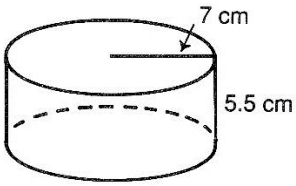
V = _____

7)



V = _____

8)



V = _____

Find the indicated measure.

9) Find the volume of a cylinder that has a diameter of 8 in and a height of 11 in.

V = _____

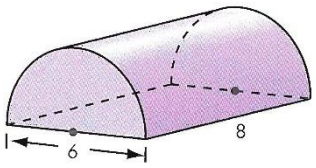
10) A cylindrical shaped barrel holds 628 cubic feet of water. If the ***diameter*** of the barrel is 10 feet, what is its height?

H = _____

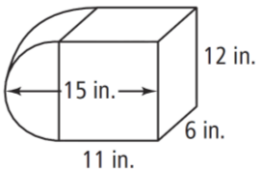
11) Find the ***radius*** of a cylinder that has a volume of 141.3 meters cubed and a height of 5 meters.

r = _____

Find the volumes of the following. SHOW ALL WORK.

12) 

V = _____

13) 

V = _____