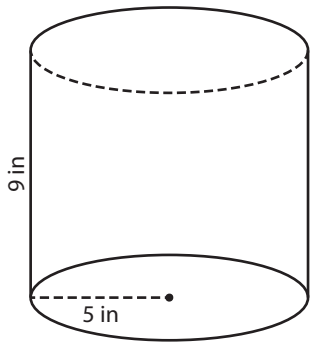
Name : _____

Volume - Cylinder

Integers: MS1

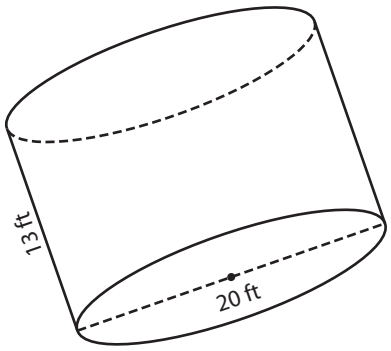
A) Find the volume of each cylinder. (use π = 3.14)

1)



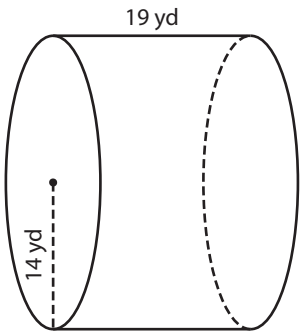
Volume = _____

2)



Volume = _____

3)



Volume = _____

B) Find the volume of each cylinder from the given parameters. (use π = 3.14)

4) height = 25 in ; radius = 26 in

Volume = _____

5) height = 11 ft ; diameter = 16 ft

Volume = _____

6) diameter = 8 yd ; height = 7 yd

Volume = _____

7) radius = 12 in ; height = 17 in

Volume = _____

8) A cylindrical fuel storage tank has a diameter of 19 feet. Determine the capacity of the tank, if its height is 34 feet. (use π = 3.14)

_____

Name : _____

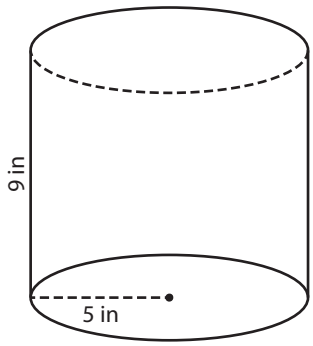
Answer key

Volume - Cylinder

Integers: MS1

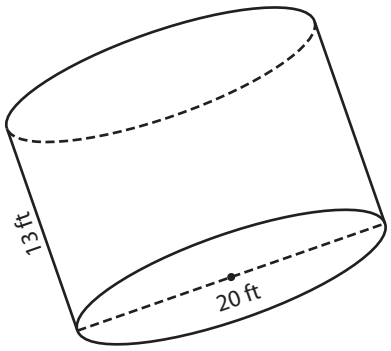
A) Find the volume of each cylinder. (use π = 3.14)

1)



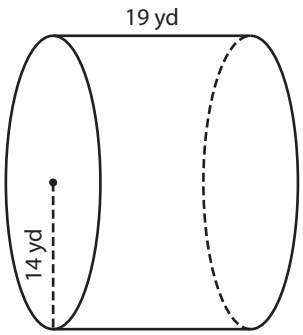
Volume = **706.5 in³**

2)



Volume = **4,082 ft³**

3)



Volume = **11,693.36 yd³**

B) Find the volume of each cylinder from the given parameters. (use π = 3.14)

4) height = 25 in ; radius = 26 in

Volume = **53,066 in³**

5) height = 11 ft ; diameter = 16 ft

Volume = **2,210.56 ft³**

6) diameter = 8 yd ; height = 7 yd

Volume = **351.68 yd³**

7) radius = 12 in ; height = 17 in

Volume = **7,686.72 in³**

8) A cylindrical fuel storage tank has a diameter of 19 feet. Determine the capacity of the tank, if its height is 34 feet. (use π = 3.14)

9,635.09 cubic feet