

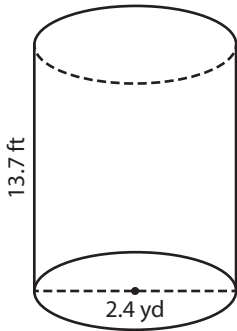
Name : _____

Decimals: DS3

Volume - Cylinder

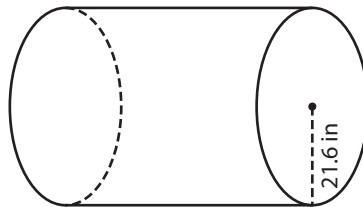
A) Find the volume of each cylinder. Round your answer to two decimal places. (use $\pi = 3.14$)

1)



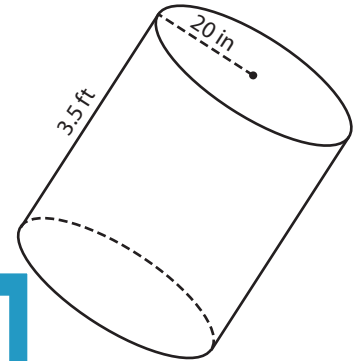
Volume = _____

2)



Volume = _____

3)



Volume = _____ in³

B) Find the volume of each cylinder. Round your answer to two decimal places.

4) height = 10.9 ft ; diameter = 12.8 ft

Volume = _____

6) diameter = 29.2 in ; height = 15.6 in

Volume = _____ in³

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5) radius = 25.2 in ; height = 18.4 in

Volume = _____ yd³

Volume = _____ ft³

Volume = _____

8) A cylindrical pillar measures 4.1 yards in height and 2.5 feet in radius. Determine how much mortar is required to construct the pillar. Round your answer to two decimal places. (use $\pi=3.14$)

_____ cubic yards

Name : _____

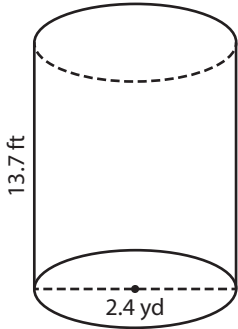
Answer key

Decimals: DS3

Volume - Cylinder

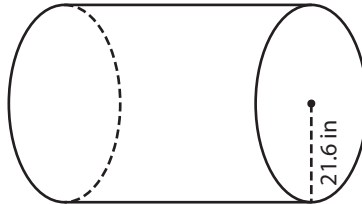
A) Find the volume of each cylinder. Round your answer to two decimal places. (use $\pi = 3.14$)

1)



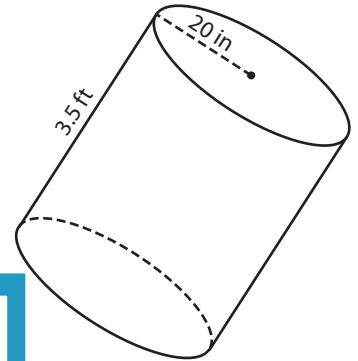
Volume = 20.65

2)



Volume = 2,245.1

3)



Volume = 52,752 in³

B) Find the volume of each cylinder. Round your answer to two decimal places.

4) height = 10.9 ft ; diameter = 10.9 ft

Volume = 2,245.1

6) diameter = 29.2 in ; height = 22.8 in

Volume = 12,047.8 in³

Volume = 10.08 ft³

8) A cylindrical pillar measures 4.1 yards in height and 2.5 feet in radius. Determine how much mortar is required to construct the pillar. Round your answer to two decimal places. (use $\pi=3.14$)

8.94 cubic yards

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