

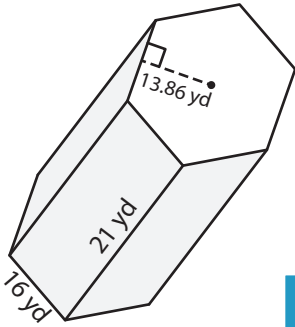
Name: _____

Volume - Prism

L1S3

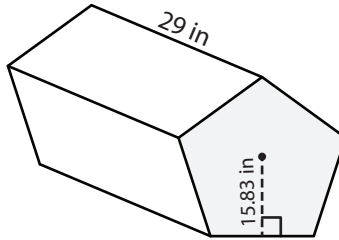
Find the volume of each regular prism.

1)

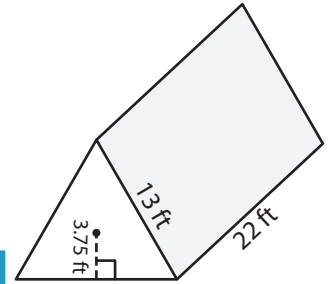


Volume = _____

2)

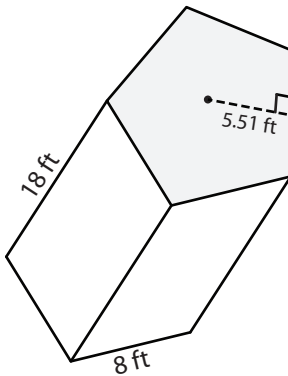


3)



Volume = _____

4)



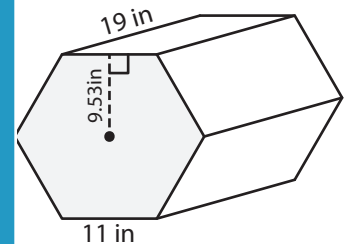
Volume = _____

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Volume = _____

7) A regular prism with a pentagonal base and the apothem of the base pentagon are 12 yards and 5.51 yards respectively. Determine the volume of the prism.

_____ and the apothem of the base prism.

8) A regular hexagonal prism has a length of 20 inches. The side length and the apothem of the base hexagon are 17 inches and 14.72 inches respectively. Determine the volume of the prism.

Name: _____

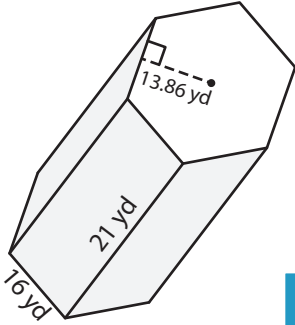
Answer key

Volume - Prism

L1S3

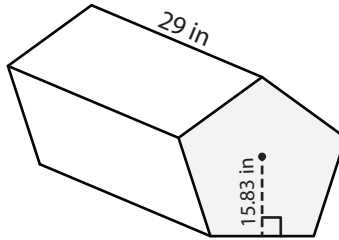
Find the volume of each regular prism.

1)

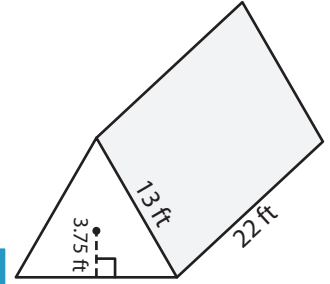


Volume = 13,970.88 yd³

2)

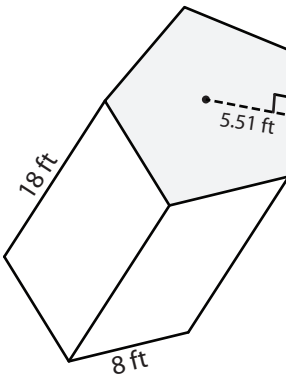


3)



Volume = 1,608.75 ft³

4)



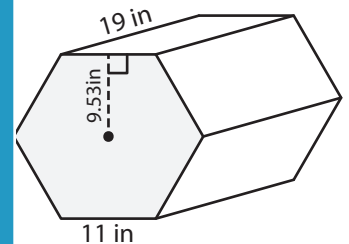
Volume = 1,983.6 ft³

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Volume = 5,975.31 in³

7) A regular prism with a pentagonal base and the apothem of the base pentagon are 12 yards and 10.48 yards respectively. Determine the volume of the prism.

1,486.8 cubic yards

8) A regular hexagonal prism has a length of 20 inches. The side length and the apothem of the base hexagon are 17 inches and 14.72 inches respectively. Determine the volume of the prism.

15,014.4 cubic inches