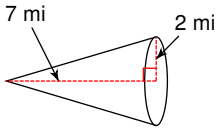
Candle Center - Infinite Geometry Name_____

Volume of Pyramids and Cones

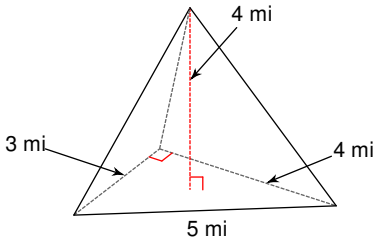
Date_____ Period____

Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

1)



2)



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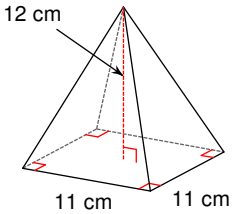
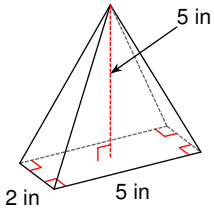
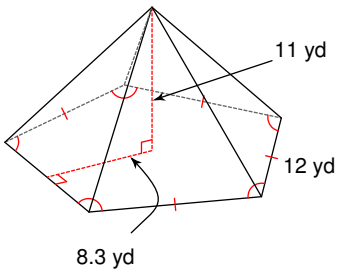


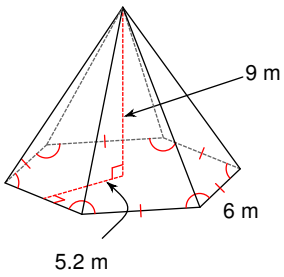
4)



5)



6)



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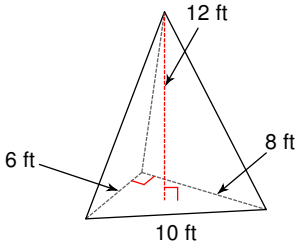

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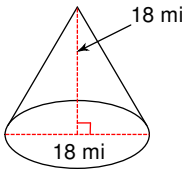
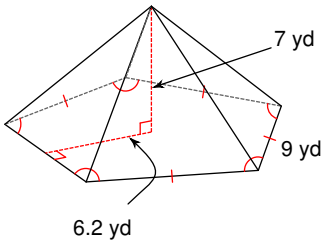


9)



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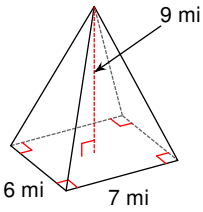


11) A square pyramid measuring 10 yd along each edge of the base with a height of 6 yd.

12) A pyramid 5 m tall with a right triangle for a base with side lengths 6 m, 8 m, and 10 m.

13) A cone with radius 4 m and a height of 12 m.

14) A hexagonal pyramid 11 ft tall with a regular base measuring 6 ft on each side and an apothem of length 5.2 ft.

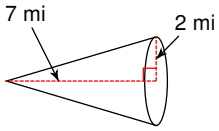
Candle Center - Infinite Geometry Name_____

Volume of Pyramids and Cones

Date_____ Period____

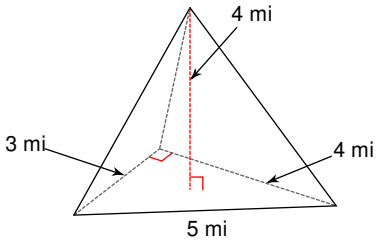
Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

1)



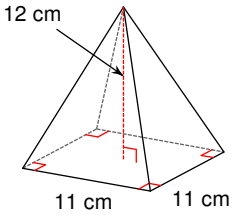
29.3 mi³

2)



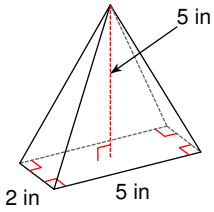
8 mi³

3)



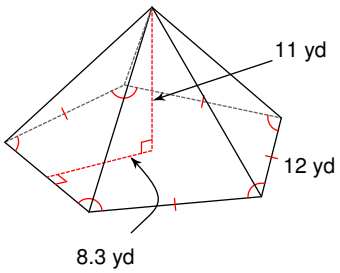
484 cm³

4)



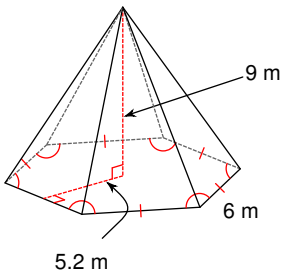
16.7 in³

5)



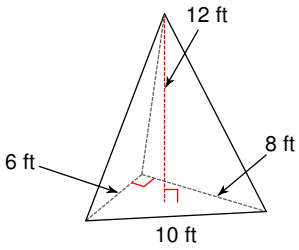
913 yd³

6)



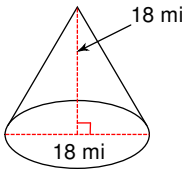
280.8 m³

7)



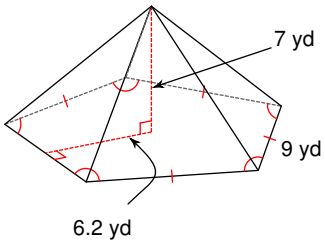
96 ft³

8)



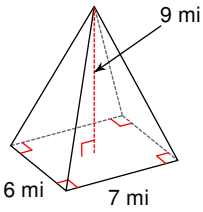
1526.8 mi³

9)



325.5 yd³

10)



126 mi³

11) A square pyramid measuring 10 yd along each edge of the base with a height of 6 yd.

200 yd³

12) A pyramid 5 m tall with a right triangle for a base with side lengths 6 m, 8 m, and 10 m.

40 m³

13) A cone with radius 4 m and a height of 12 m.

201.1 m³

14) A hexagonal pyramid 11 ft tall with a regular base measuring 6 ft on each side and an apothem of length 5.2 ft.

343.2 ft³