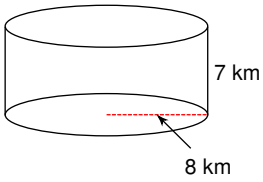
Kuta Software - Infinite Geometry Name_____

Volume of Prisms and Cylinders

Date_____ Period____

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

1)



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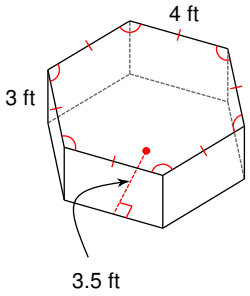

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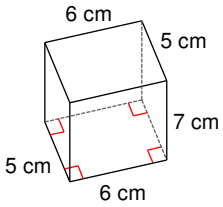

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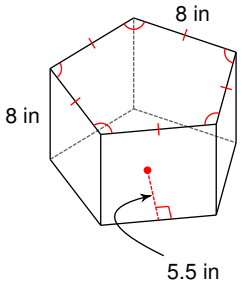

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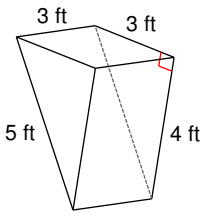

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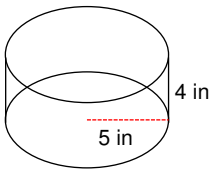

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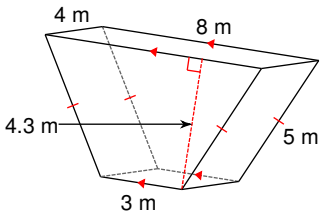

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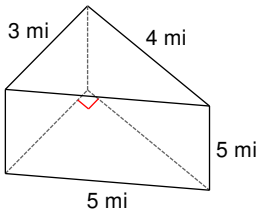

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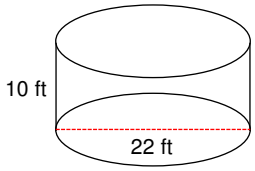

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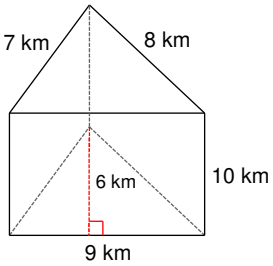

11) A cylinder with a radius of 4 yd and a height of 5 yd.

12) A square prism measuring 6 km along each edge of the base and 5 km tall.

13) A hexagonal prism 5 yd tall with a regular base measuring 5 yd on each edge and an apothem of length 4.3 yd.

14) A trapezoidal prism of height 6 km. The parallel sides of the base have lengths 5 km and 3 km. The other sides of the base are each 2 km. The trapezoid's altitude measures 1.7 km.

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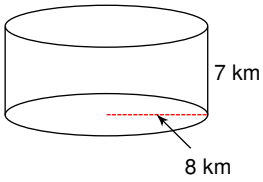
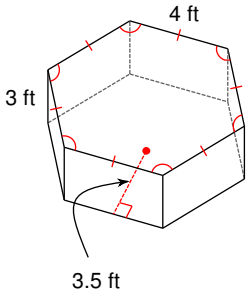
Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

1)



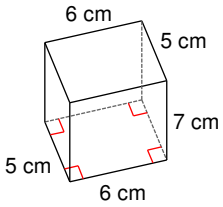
1407.4 km³

2)



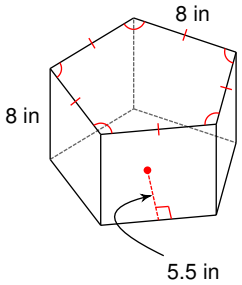
126 ft³

3)



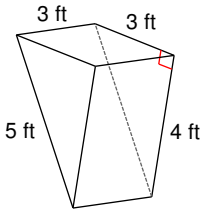
210 cm³

4)



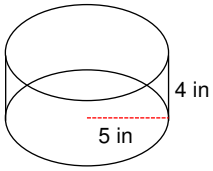
880 in³

5)



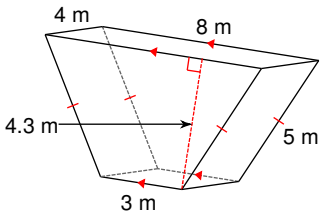
18 ft³

6)



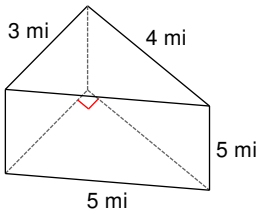
314.2 in³

7)



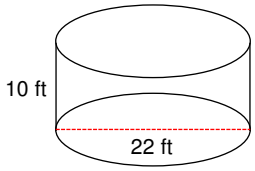
94.6 m³

8)



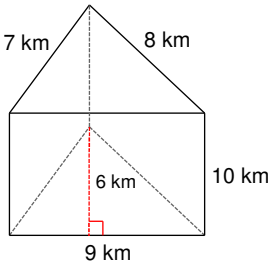
30 mi³

9)



3801.3 ft³

10)



270 km³

11) A cylinder with a radius of 4 yd and a height of 5 yd.

251.3 yd³

12) A square prism measuring 6 km along each edge of the base and 5 km tall.

180 km³

13) A hexagonal prism 5 yd tall with a regular base measuring 5 yd on each edge and an apothem of length 4.3 yd.

322.5 yd³

14) A trapezoidal prism of height 6 km. The parallel sides of the base have lengths 5 km and 3 km. The other sides of the base are each 2 km. The trapezoid's altitude measures 1.7 km.

40.8 km³

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