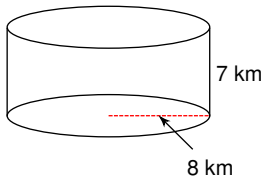


Volume of Prisms and Cylinders

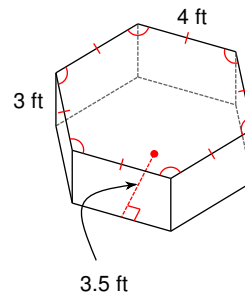
Date _____ Period _____

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

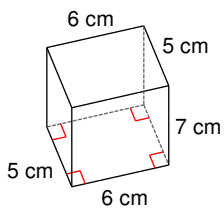
1)



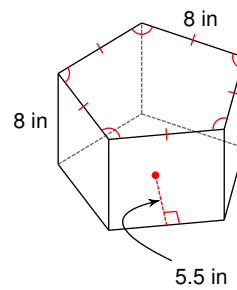
2)



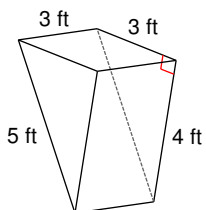
3)



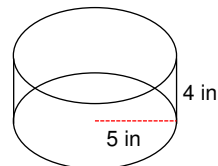
4)

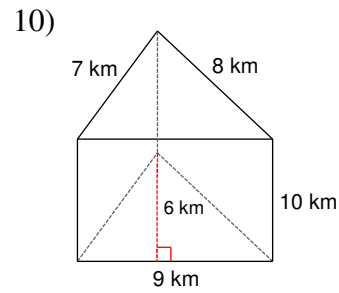
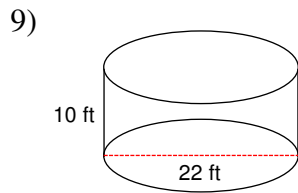
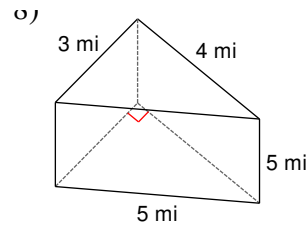
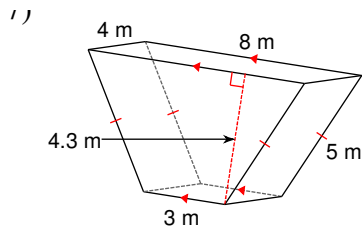


5)



6)





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.

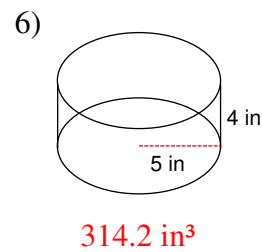
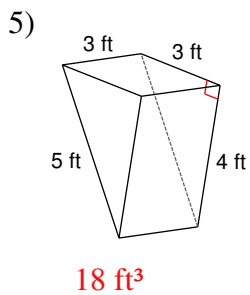
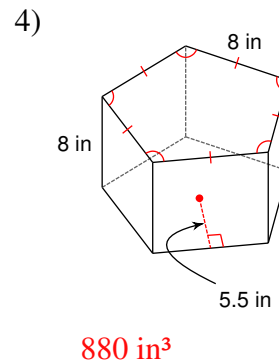
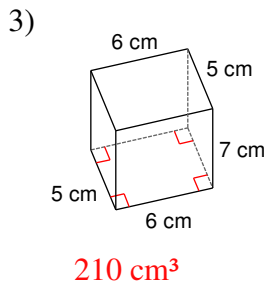
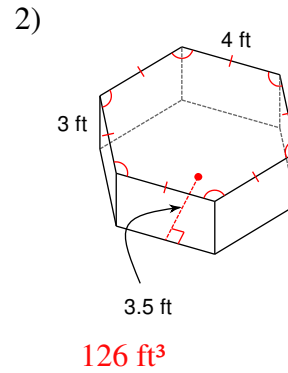
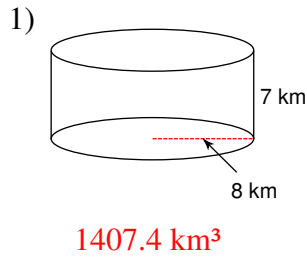
13) A hexagonal prism 5 yd tall with a regular base measuring 5 yd on each edge and an apothem of length 4.3 yd.

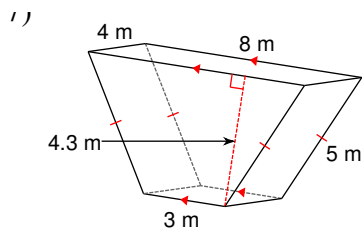
14) A trapezoidal prism of height 6 km. The parallel sides of the base have lengths 5 km and 3 km. The other sides of the base are each 2 km. The trapezoid's altitude measures 1.7 km.

Volume of Prisms and Cylinders

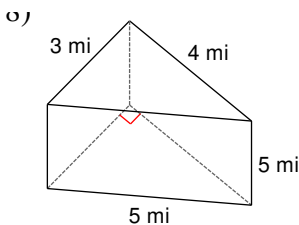
Date _____ Period _____

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

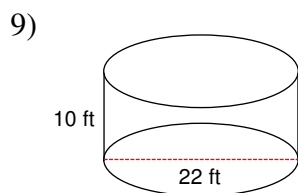




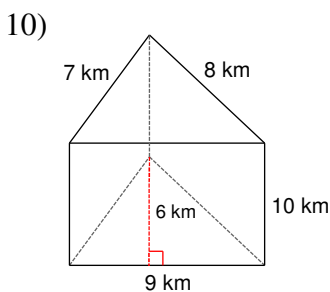
94.6 m³



30 mi³



3801.3 ft³



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