

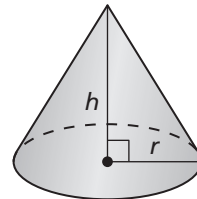
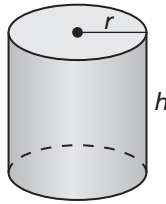
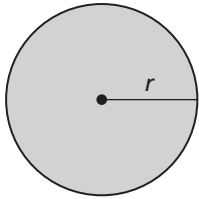
7.3 Enrichment and Extension

Area and Volume

Area of Circle: $A = \pi r^2$

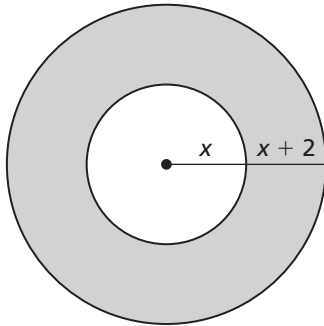
Volume of a Cylinder: $V = \pi r^2 h$

Volume of a Cone: $V = \frac{1}{3}\pi r^2 h$

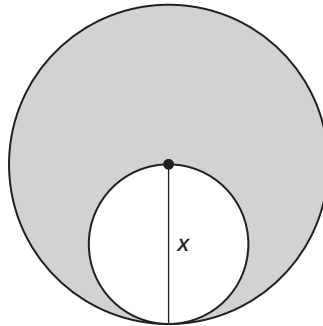


In Exercises 1–3, write an algebraic expression for the shaded area.

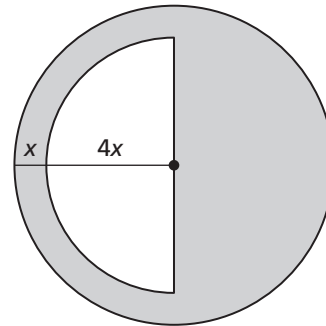
1.



2.

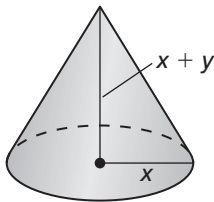


3.

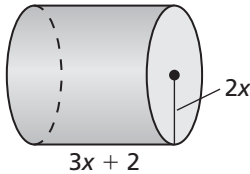


In Exercises 4–6, write an algebraic expression for the volume of the figure.

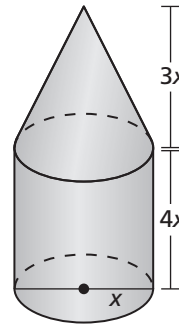
4.



5.

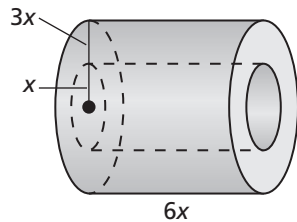


6.



In Exercises 7 and 8, write an algebraic expression for the volume of the figure with a hole in it.

7.



8.

