

11.4

Volume of Prisms and Cylinders

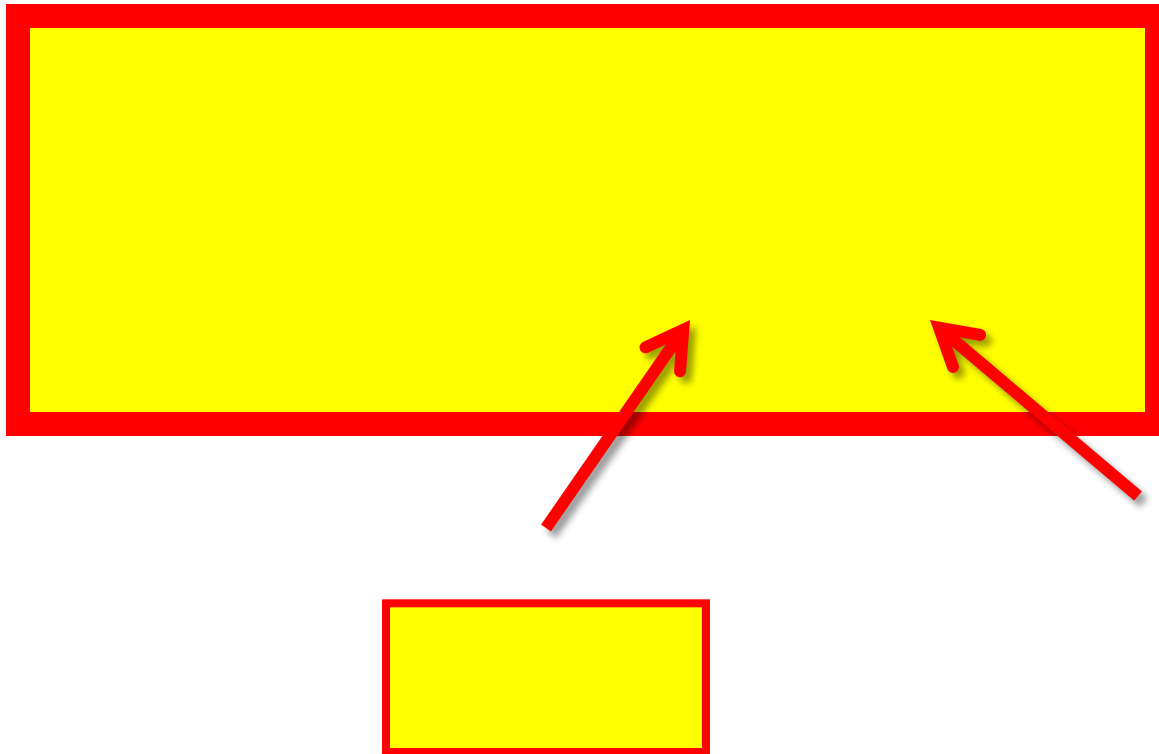
VOLUME FORMULA OF A RECTANGULAR PRISM



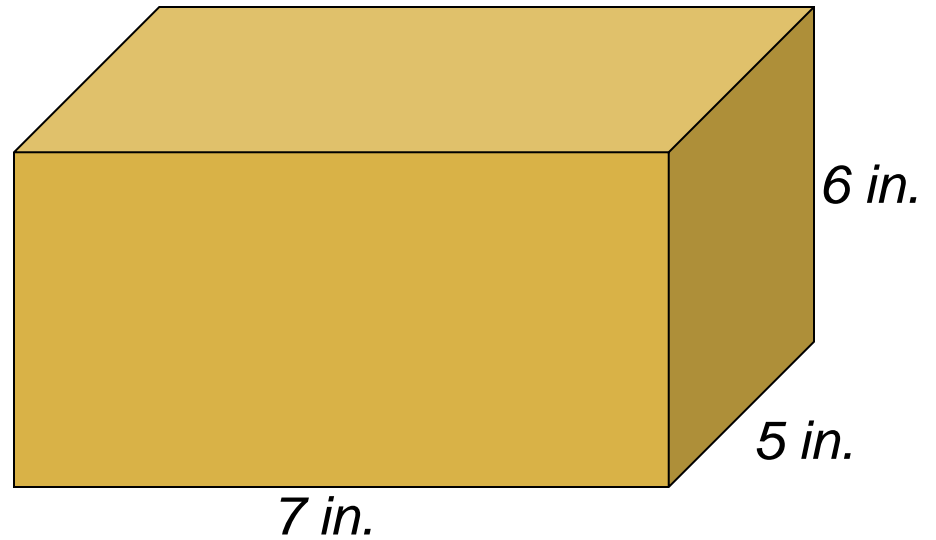
VOLUME FORMULA OF A RECTANGULAR PRISM



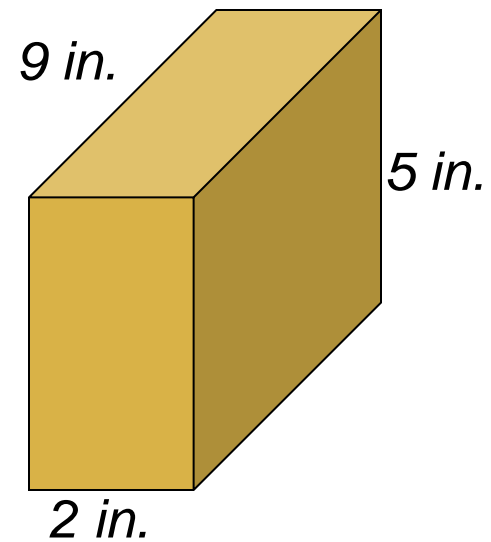
VOLUME FORMULA OF A RECTANGULAR PRISM



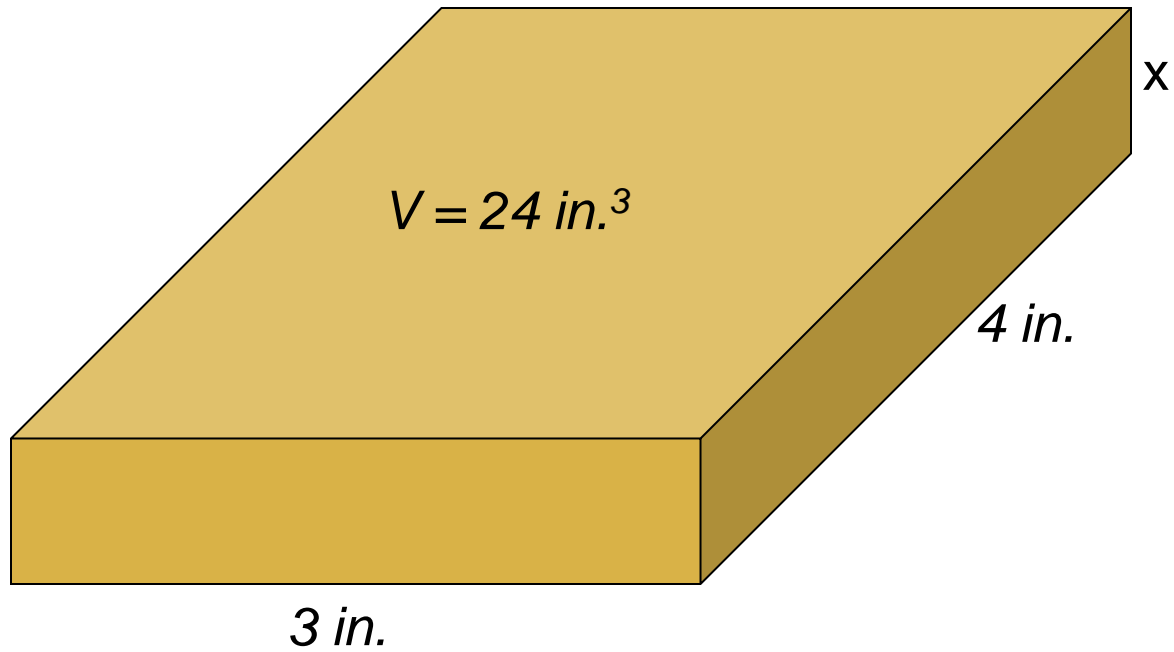
1) Find the volume:



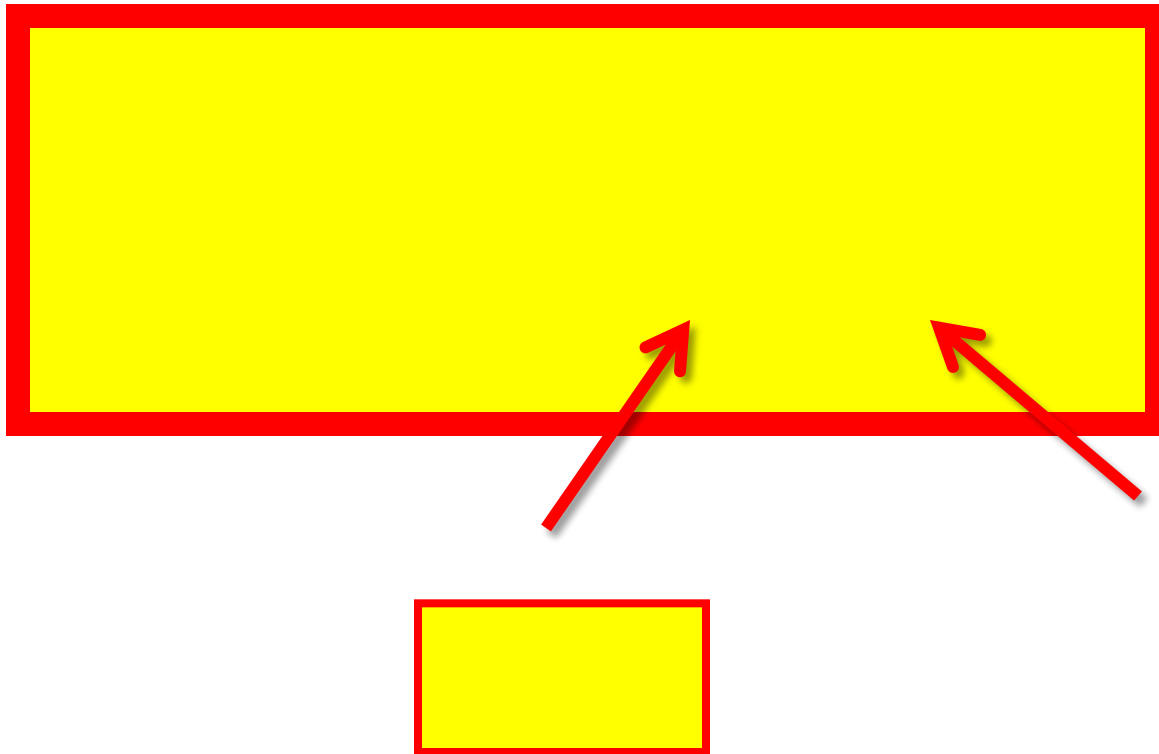
2) Find the volume:



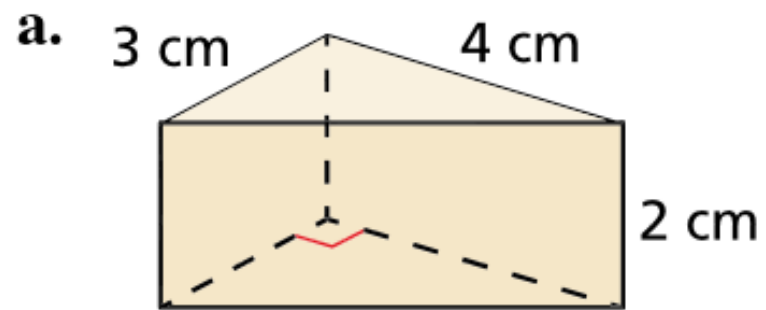
3) Find the missing side:



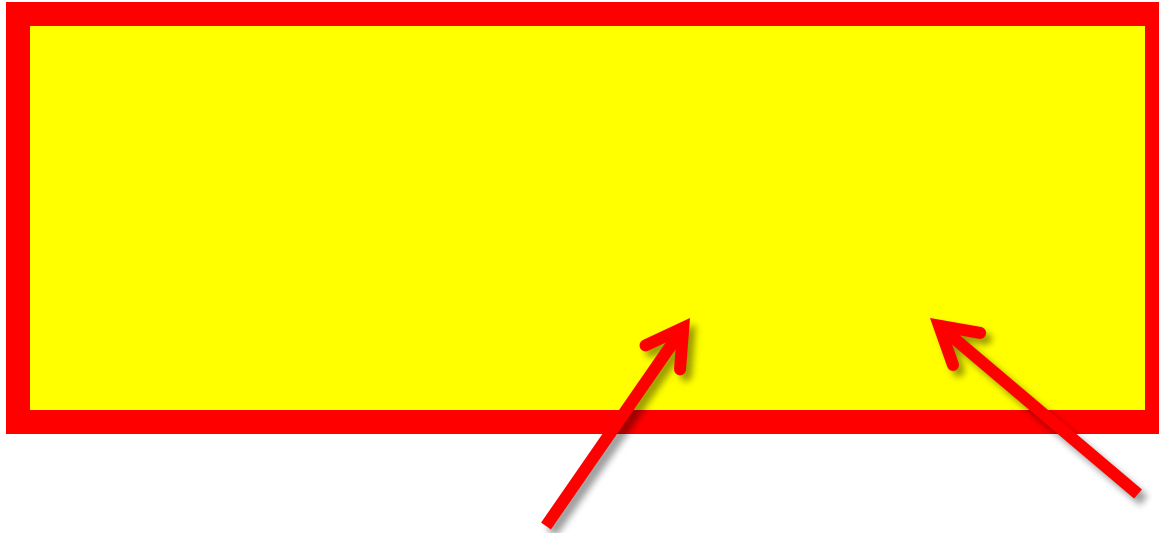
VOLUME FORMULA OF A TRIANGULAR PRISM



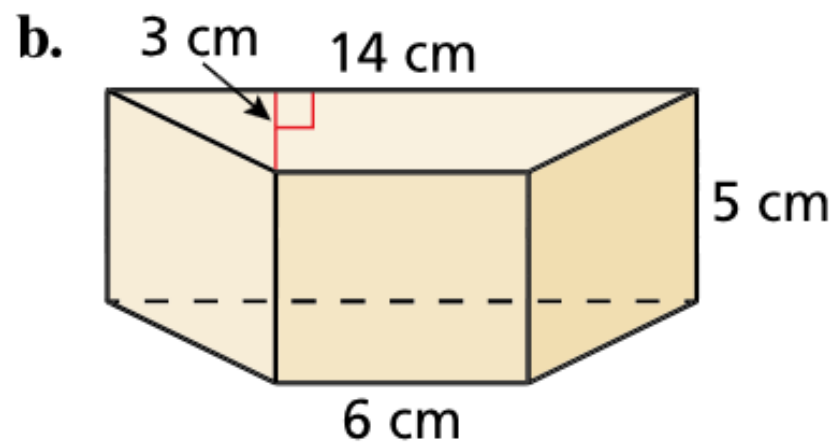
Find the volume of each prism.



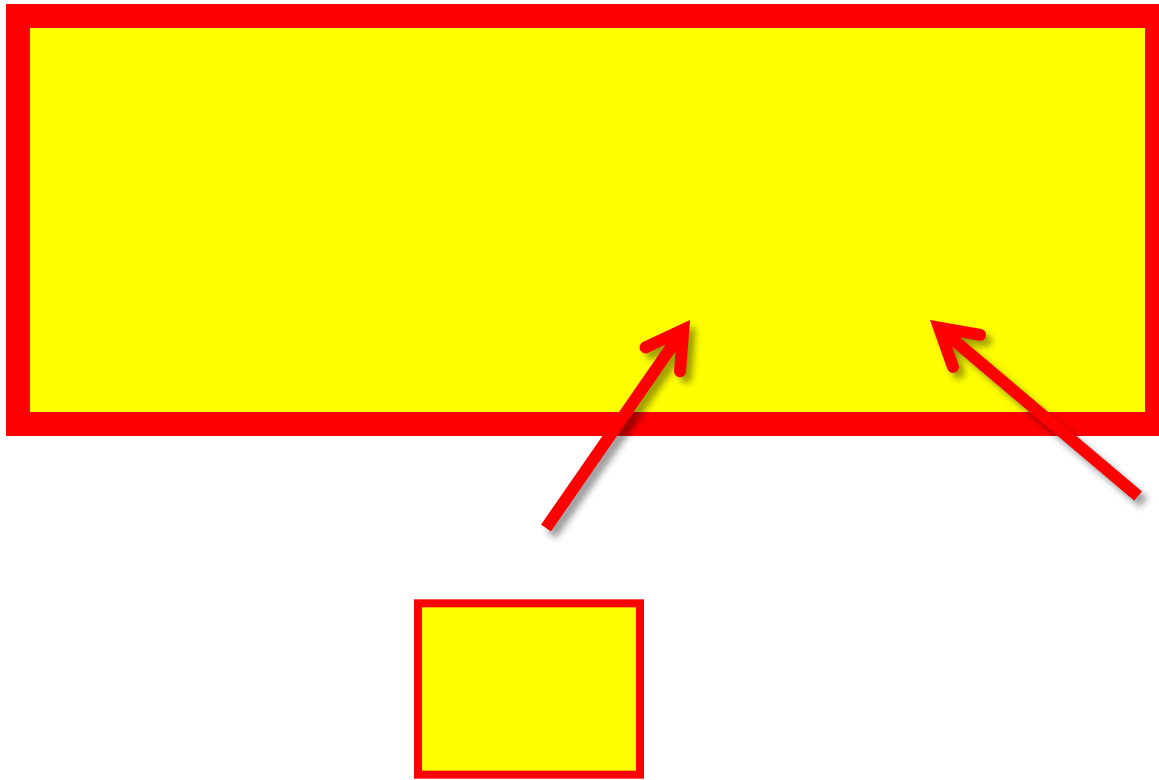
VOLUME FORMULA OF A ANY PRISM



Find the volume of each prism.

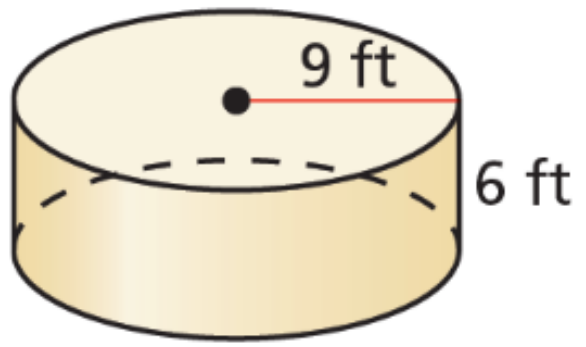


VOLUME FORMULA OF A CYLINDER



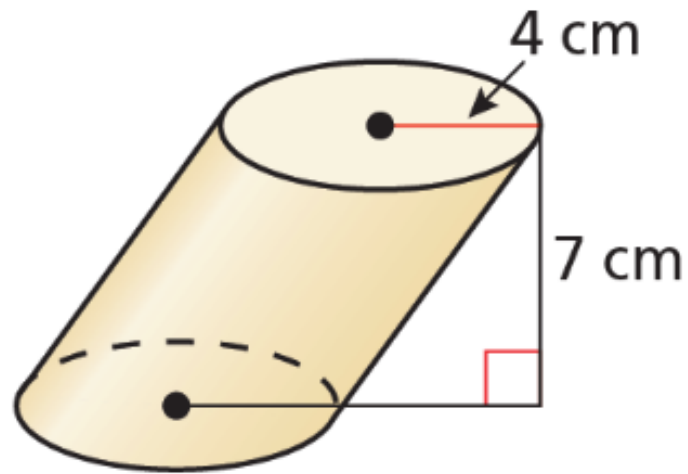
Find the volume of each cylinder.

a.



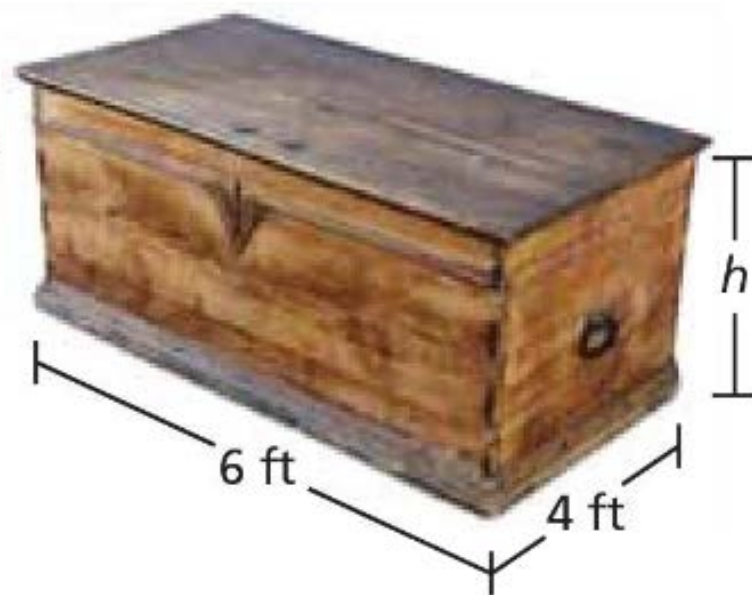
Find the volume of each cylinder.

b.



You are building a rectangular chest.
You want the length to be 6 feet, the
width to be 4 feet, and the volume to
be 72 cubic feet. What should the
height be?

$$V = 72 \text{ ft}^3$$



You are building a 6-foot-tall dresser. You want the volume to be 36 cubic feet. What should the area of the base be? Give a possible length and width.



$$V = 36 \text{ ft}^3$$

Find the volume of the concrete block.

