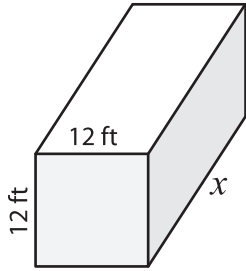


# Volume - Prism

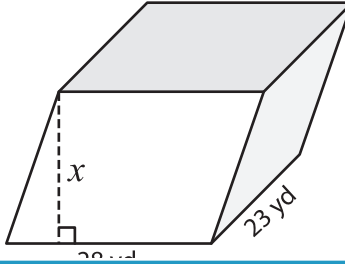
Find the value of  $x$ .

1) Volume =  $2,736 \text{ ft}^3$

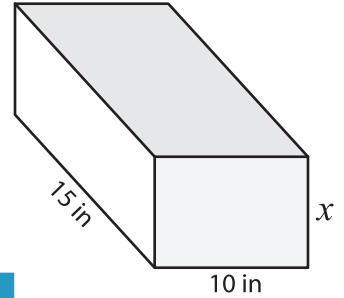


$x =$  \_\_\_\_\_

2) Volume =  $16,100 \text{ yd}^3$

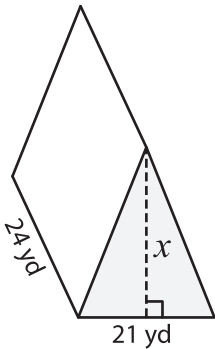


3) Volume =  $600 \text{ in}^3$



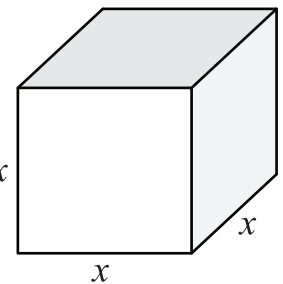
$x =$  \_\_\_\_\_

4) Volume =  $6,552 \text{ yd}^3$



$x =$  \_\_\_\_\_

Volume =  $343 \text{ ft}^3$



$x =$  \_\_\_\_\_

7) The base of a prism is a triangle with a base of 12 feet and a height of 5 feet. If the volume of the prism is 148.5 cubic feet, find the length of the prism.

\_\_\_\_\_

8) A rectangular prism has a length of 27 yards and a height of 20 yards. Find the width of the rectangular prism if its volume is 8,640 cubic yards.

\_\_\_\_\_

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respectively. If the volume of