

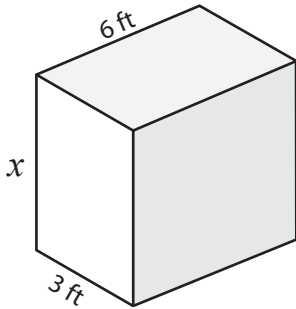
Name : \_\_\_\_\_

## Volume - Rectangular Prism

Sheet 2

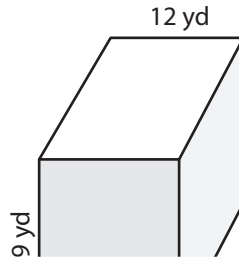
A) Find the value of  $x$ .

1) Volume =  $108 \text{ ft}^3$



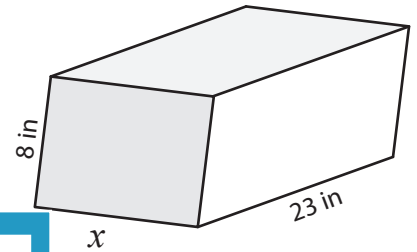
$x =$  \_\_\_\_\_

2) Volume =  $3,876 \text{ yd}^3$



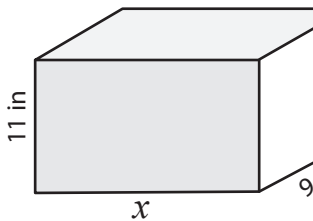
$x =$  \_\_\_\_\_

3) Volume =  $1,840 \text{ in}^3$



Volume =  $2,340 \text{ yd}^3$

4) Volume =  $1,782 \text{ in}^3$



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

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

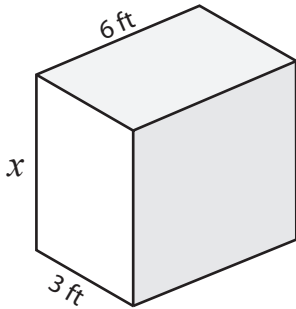
7) A rectangular prism has a length of 4 units and a width of 3 units. The volume of the rectangular prism is 48 cubic units.

The volume of the

8) The width and height of a rectangular prism are 8 yards and 7 yards respectively. Find the length of the rectangular prism whose volume is 840 cubic yards.

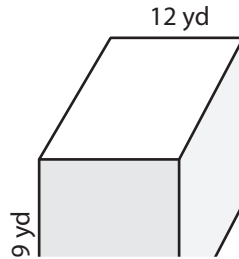
**Volume - Rectangular Prism**A) Find the value of  $x$ .

1) Volume =  $108 \text{ ft}^3$



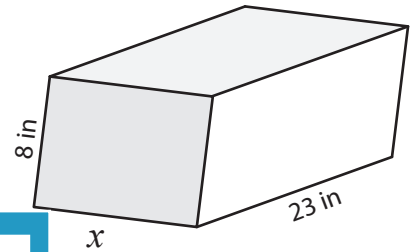
$x = \underline{\mathbf{6 \text{ ft}}}$

2) Volume =  $3,876 \text{ yd}^3$



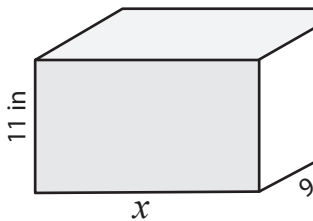
$x = \underline{\mathbf{10 \text{ in}}}$

3) Volume =  $1,840 \text{ in}^3$



Volume =  $2,340 \text{ yd}^3$

4) Volume =  $1,782 \text{ in}^3$



$x = \underline{\mathbf{18 \text{ in}}}$

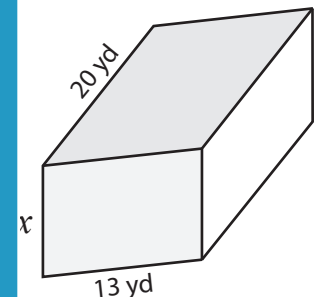
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$x = \underline{\mathbf{9 \text{ yd}}}$

7) A rectangular prism has a length of 4 feet and a width of 2 feet. The volume of the rectangular prism is 48 cubic feet.

**2 feet**

8) The width and height of a rectangular prism are 8 yards and 7 yards respectively. Find the length of the rectangular prism whose volume is 840 cubic yards.

**15 yards**