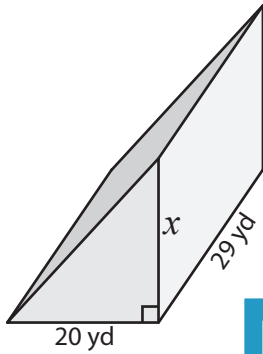


# Volume - Triangular Prism

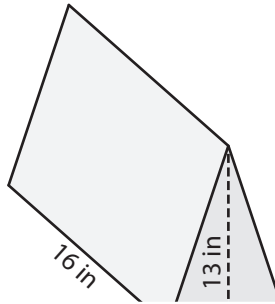
Find the value of  $x$ .

1) Volume =  $6,090 \text{ yd}^3$

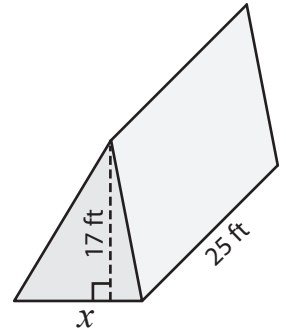


$x =$  \_\_\_\_\_

2) Volume =  $936 \text{ in}^3$

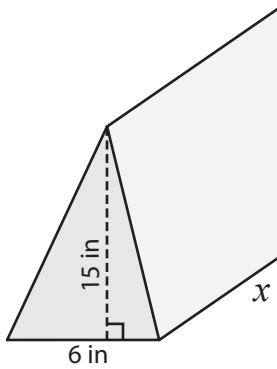


3) Volume =  $2,975 \text{ ft}^3$



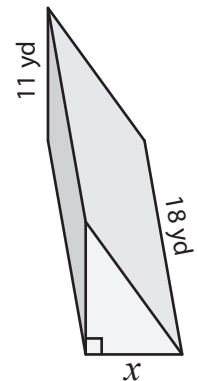
$x =$  \_\_\_\_\_

4) Volume =  $1,035 \text{ in}^3$



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

Volume =  $792 \text{ yd}^3$



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

7) The base of a prism is a triangle with legs of 12 yds and 16 yds respectively. The length of the prism is 3,120 cubic yds.

Find the length of the prism.

\_\_\_\_\_

8) The length of a triangular prism is 22 inches and the volume is 3,036 cubic inches. Find the height of the base triangle, if its base is 12 inches.

\_\_\_\_\_

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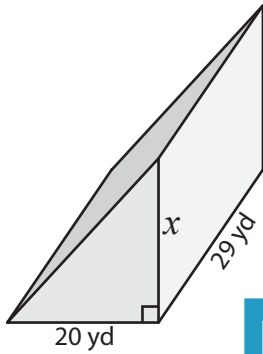
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**Volume - Triangular Prism**

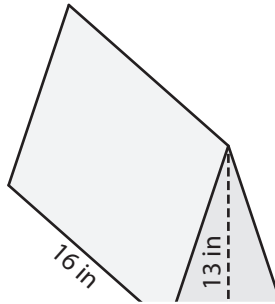
Find the value of  $x$ .

1) Volume =  $6,090 \text{ yd}^3$

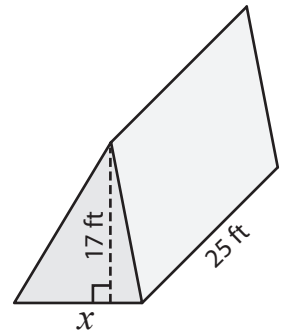


$x =$  21 yd

2) Volume =  $936 \text{ in}^3$

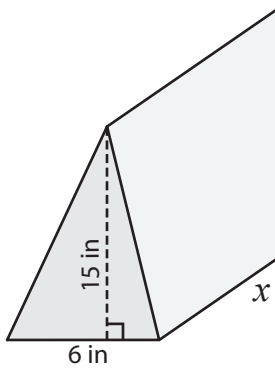


3) Volume =  $2,975 \text{ ft}^3$



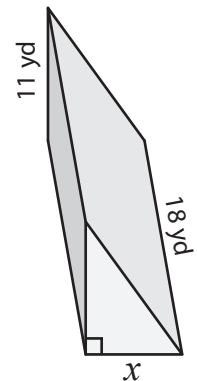
$x =$  14 ft

4) Volume =  $1,035 \text{ in}^3$



$x =$  23 in

Volume =  $792 \text{ yd}^3$



$x =$  8 yd

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7) The base of a prism is a triangle with a base of 10 yards and a height of 12 yards respectively. If the volume of the prism is  $3,120 \text{ cubic yards}$ , find the length of the prism.

10 yards

8) The length of a triangular prism is 22 inches and the volume is  $3,036 \text{ cubic inches}$ . Find the height of the base triangle, if its base is 12 inches.

23 inches