Surface Area - Rectangular Prism

Find the value of x.

1) Surface Area = 190 ft²

2 ft

x

x

7 ft
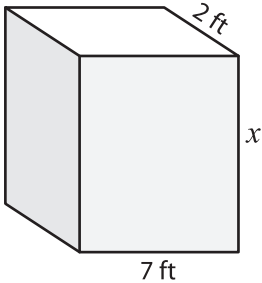
$x =$ _____

2) Surface Area = 202 yd²

x

5 yd

13 yd
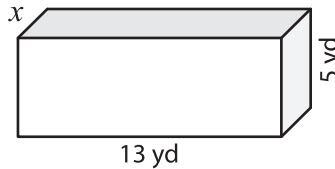
$x =$ _____

3) Surface Area = 290 in²

11 in

3 in

x
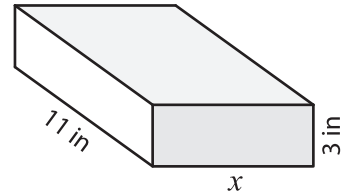
$x =$ _____

4) Surface Area = 288 in²

x

6 in

4 in
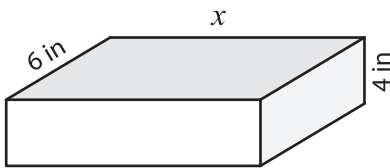
$x =$ _____

5) Surface Area = 532 ft²

8 ft

x

14 ft
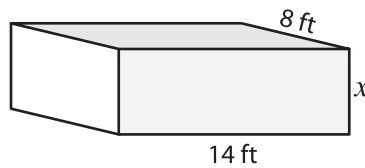
$x =$ _____

6) Surface Area = 760 yd²

x

20 yd

10 yd
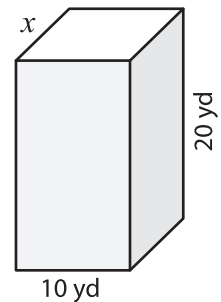
$x =$ _____

7) The length and height of a rectangular prism are 12 feet and 9 feet respectively. Determine the width of the rectangular prism whose surface area is 258 square feet.

_____

8) A rectangular prism is 18 inches height and 15 inches wide. If its surface area is 1,596 square inches, find the length of the prism.

_____