Name : _____

Trapezoid - Area

Find x.
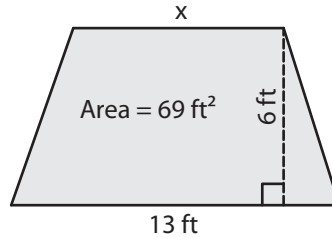
1)

12 yd
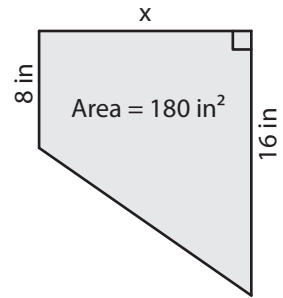
Area = 190 yd²

20 yd

x

x = _____

2)

x

Area = 69 ft²

6 ft

13 ft

x = _____

3)

x

8 in

Area = 180 in²

16 in

x = _____

4)

x
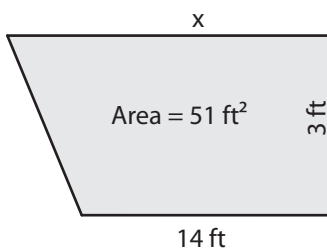
Area = 51 ft²

3 ft
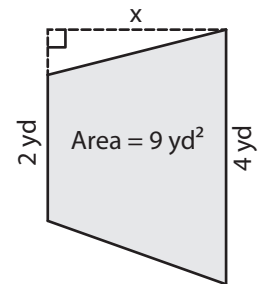
14 ft

x = _____

x

2 yd

Area = 9 yd²

4 yd

x = _____

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7) The lengths of the paral_____the height of the trapezoid, if the area is 5.5 square f_____

_____

8) The perpendicular distance between the bases of a trapezoid is 20 inches and one of the bases measures 5 inches. If the area of the trapezoid is 240 square inches, find the length of the other base.
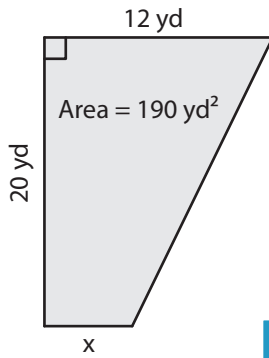
_____

Answer key

Trapezoid - Area

Find x.

1)

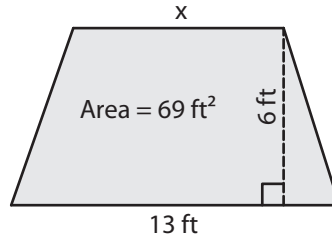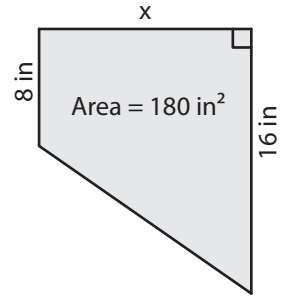12 yd

Area = 190 yd²

20 yd

x

x = **7 yd**

2)

x

Area = 69 ft²

6 ft

13 ft

3)

x

8 in

Area = 180 in²

16 in

x = **15 in**

4)

x

Area = 51 ft²
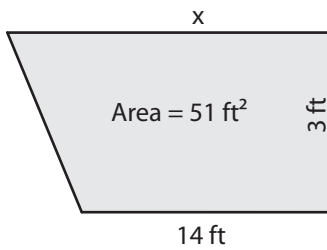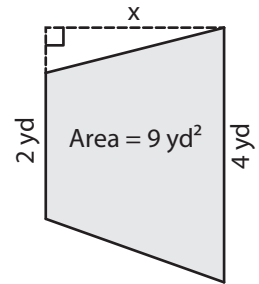
3 ft

14 ft

x = **20 ft**

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x

2 yd

Area = 9 yd²

4 yd

x = **3 yd**

7) The lengths of the paral   the height of the trapezoid, if the area is 5.5 square

The height of the trapezoid is 1 foot.

8) The perpendicular distance between the bases of a trapezoid is 20 inches and one of the bases measures 5 inches. If the area of the trapezoid is 240 square inches, find the length of the other base.

The length of the other base of the trapezoid is 19 inches.