

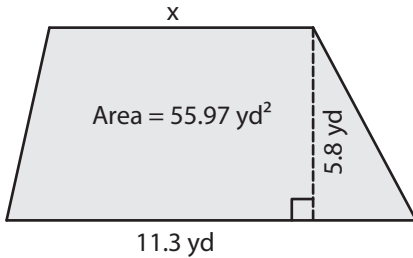
Name : \_\_\_\_\_

## Trapezoid - Area

Sheet 3

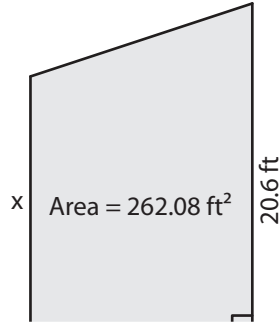
Find x.

1)

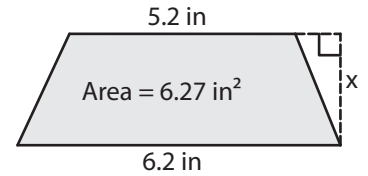


x = \_\_\_\_\_

2)

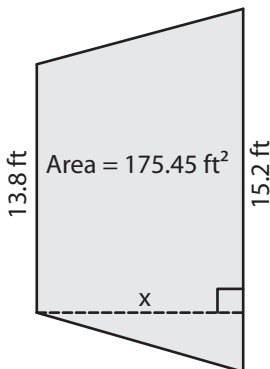


3)

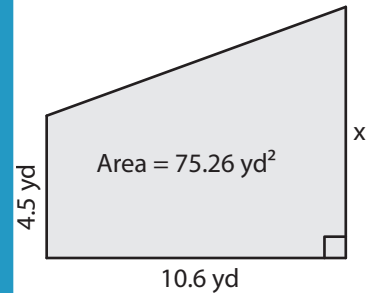


x = \_\_\_\_\_

4)



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



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

7) The area of a trapezoid is  $175.45$  ft<sup>2</sup>. The sum of the two parallel bases is  $29$  ft. Find the distance between the two parallel bases.

8) The area of a trapezoid is  $75.26$  yd<sup>2</sup>. The sum of the two parallel bases is  $21.2$  yd. Find the distance between the two parallel bases.

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8) The height of a trapezoid is  $7.2$  feet and one of the parallel bases is of length  $9.1$  feet. Find the other parallel base, if the area of the trapezoid is  $92.88$  square feet.

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

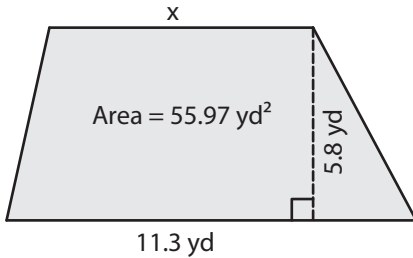
**Answer key**

**Trapezoid - Area**

Sheet 3

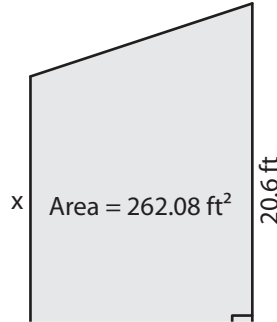
Find x.

1)

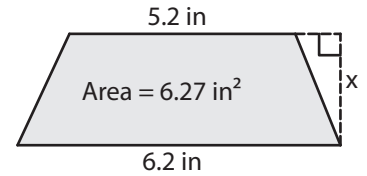


$x =$  8 yd

2)

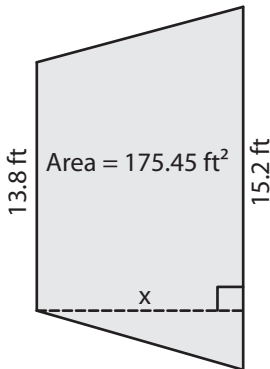


3)

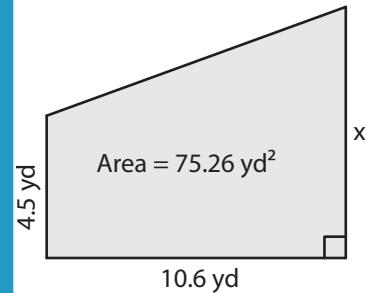


$x =$  1.1 in

4)



$x =$  12.1 ft



$x =$  9.7 yd

7) The area of a trapezoid is  $175.45$  ft<sup>2</sup>. The sum of the two parallel bases is  $29$  ft. Find the perpendicular distance between the bases, if the sum of the bases is  $29$  ft.

Find the perpendicular distance between the bases, if the sum of the bases is  $29$  ft.

**The perpendicular distance between the bases is 19 inches.**

8) The height of a trapezoid is  $7.2$  feet and one of the parallel bases is of length  $9.1$  feet. Find the other parallel base, if the area of the trapezoid is  $92.88$  square feet.

**The other parallel base of the trapezoid is 16.7 feet.**

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