

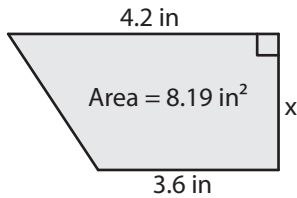
Name : \_\_\_\_\_

## Trapezoid - Area

Sheet 1

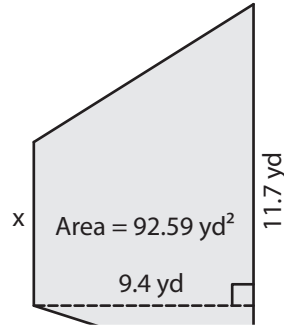
Find x.

1)

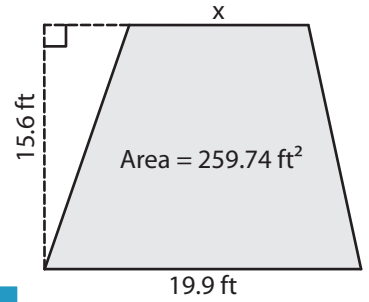


x = \_\_\_\_\_

2)

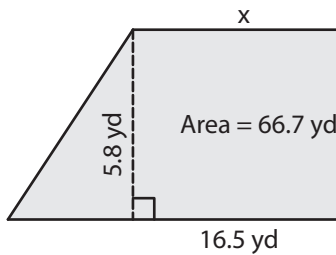


3)



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

4)



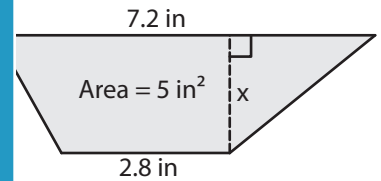
x = \_\_\_\_\_

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

7) The perpendicular distance between the bases is 3.1 feet. If the area of the trapezoid is 15.5 square feet, one of the bases measures 10 feet. Find the length of the other base.

one of the bases measures 10 feet. Find the length of the other base.

8) The sum of the parallel bases of a trapezoid is 38.5 yards. Determine the height of the trapezoid, if the area is 269.5 square yards.

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

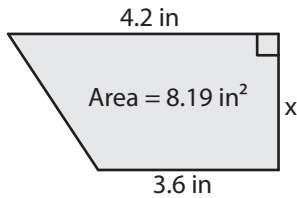
**Answer key**

**Trapezoid - Area**

Sheet 1

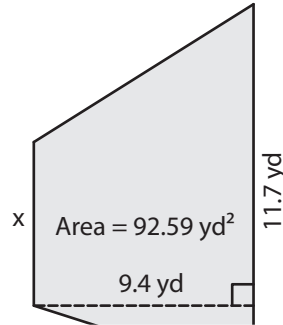
Find x.

1)

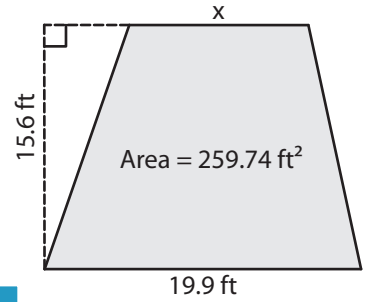


x = 2.1 in

2)

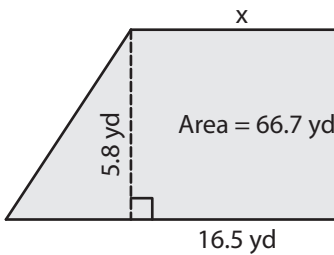


3)



x = 13.4 ft

4)



x = 6.5 yd

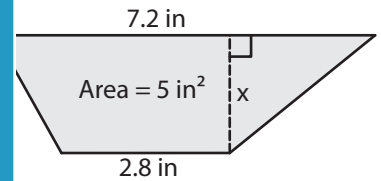
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x = 1 in

7) The perpendicular distance between the bases is 3.1 feet. If the area of the trapezoid is 10.5 square feet, what is the length of the other base of the trapezoid?

one of the bases measures 10 feet. What is the length of the other base?

**The length of the other base of the trapezoid is 1.3 feet.**

8) The sum of the parallel bases of a trapezoid is 38.5 yards. Determine the height of the trapezoid, if the area is 269.5 square yards.

**The height of the trapezoid is 14 yards.**