

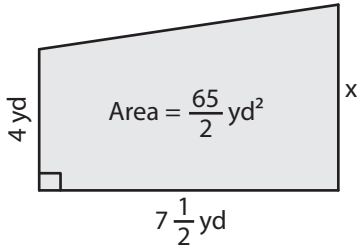
Name : \_\_\_\_\_

## Trapezoid - Area

Sheet 2

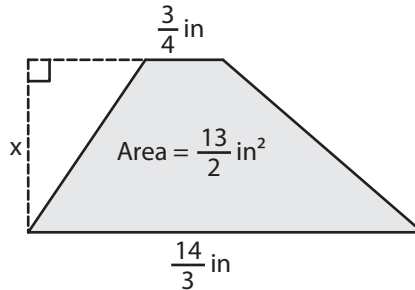
Find x.

1)

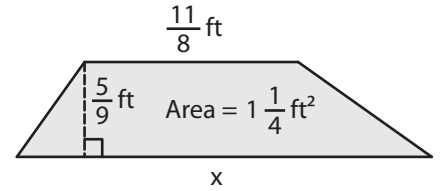


x = \_\_\_\_\_

2)

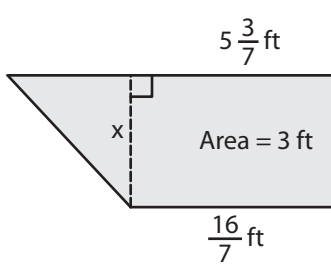


3)



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

4)



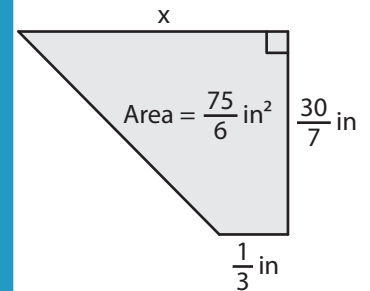
x = \_\_\_\_\_

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

7) The sum of the parallel bases is  $2 \frac{3}{16}$  square inches.

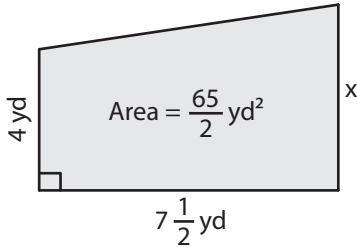
the area of the trapezoid is

8) The perpendicular distance between the bases of a trapezoid is  $2 \frac{2}{5}$  feet and one of the bases measures  $\frac{3}{4}$  foot. If the area of the trapezoid is 6 square feet, determine the length of the other base.

## Trapezoid - Area

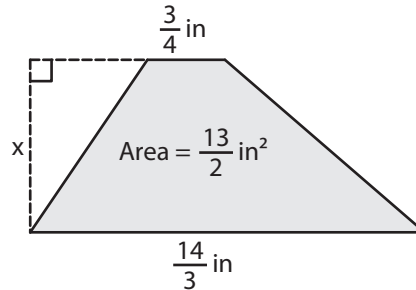
Find x.

1)

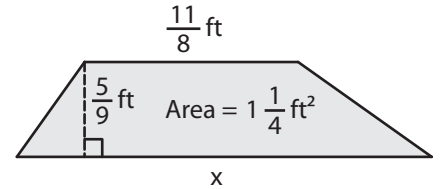


$$x = \frac{14}{3} \text{ or } 4 \frac{2}{3} \text{ yd}$$

2)

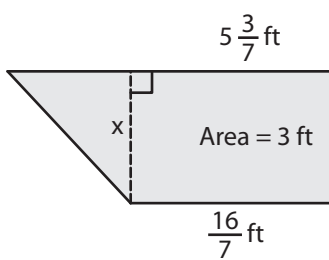


3)



$$x = \frac{25}{8} \text{ or } 3 \frac{1}{8} \text{ ft}$$

4)



$$x = \frac{7}{9} \text{ ft}$$

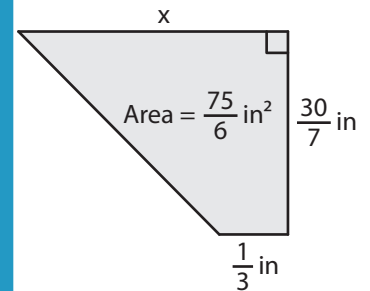
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$$x = \frac{11}{2} \text{ or } 5 \frac{1}{2} \text{ in}$$

7) The sum of the parallel sides is  $2 \frac{3}{16}$  square inches.

the area of the trapezoid is

**The height of the trapezoid is  $\frac{7}{9}$  inch.**

8) The perpendicular distance between the bases of a trapezoid is  $2 \frac{2}{5}$  feet and one of the bases measures  $\frac{3}{4}$  foot. If the area of the trapezoid is 6 square feet, determine the length of the other base.

**The length of the other base of the trapezoid is  $\frac{17}{4}$  or  $4 \frac{1}{4}$  feet.**