

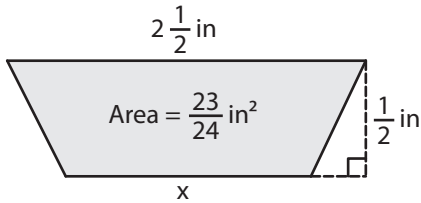
Name : _____

Trapezoid - Area

Sheet 1

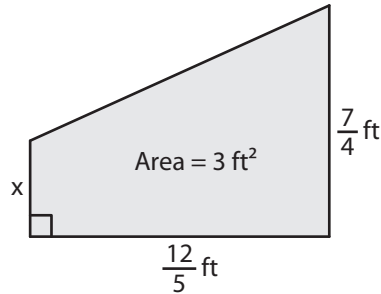
Find x.

1)

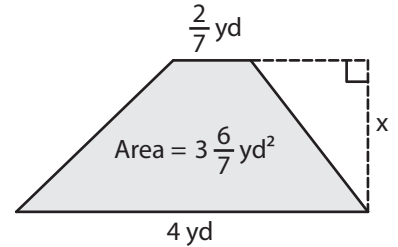


x = _____

2)

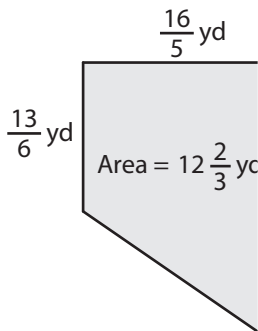


3)



x = _____

4)



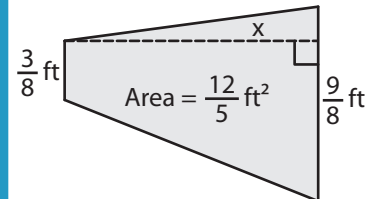
x = _____

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x = _____

7) The lengths of the parallel bases are $10\frac{1}{2}$ and $12\frac{1}{2}$ feet. If the area is $6\frac{1}{15}$ square feet, find the height of the trapezoid.

_____ is the height of the trapezoid,

8) The height of a trapezoid is $1\frac{5}{7}$ yards and one of the parallel bases is of length $4\frac{1}{6}$ yards. If the area of the trapezoid is 6 square yards, determine the other parallel base.

Name : _____

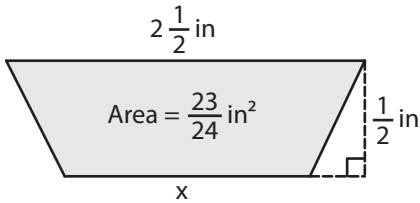
Answer key

Trapezoid - Area

Sheet 1

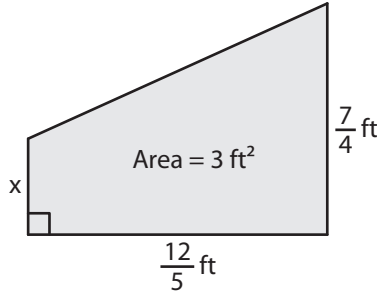
Find x.

1)

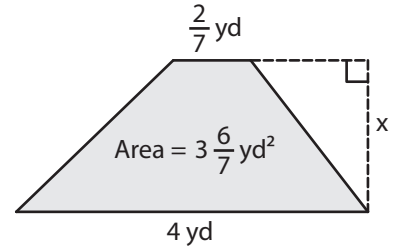


$x = \frac{4}{3}$ or $1\frac{1}{3}$ in

2)

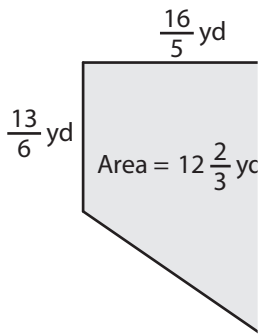


3)



$x = \frac{9}{5}$ or $1\frac{4}{5}$ yd

4)



$x = \frac{23}{4}$ or $5\frac{3}{4}$ yd

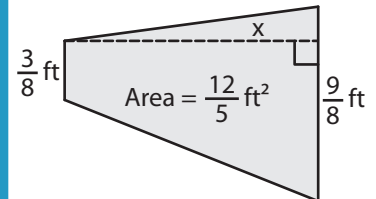
PREVIEW

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$x = \frac{16}{5}$ or $3\frac{1}{5}$ ft

7) The lengths of the parallel bases are 10 ft and 14 ft. If the area is $6\frac{1}{15}$ square feet, find the height of the trapezoid.

_____ is the height of the trapezoid,

The height of the trapezoid is $\frac{7}{2}$ or $3\frac{1}{2}$ feet.

8) The height of a trapezoid is $1\frac{5}{7}$ yards and one of the parallel bases is of length $4\frac{1}{6}$ yards. If the area of the trapezoid is 6 square yards, determine the other parallel base.

The other parallel base of the trapezoid $\frac{17}{6}$ or $2\frac{5}{6}$ yards.