

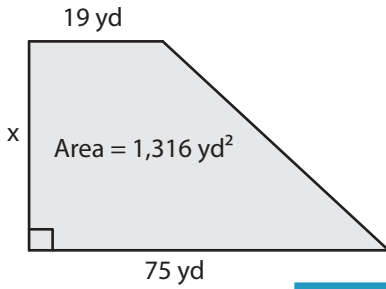
Name : _____

Trapezoid - Area

L2S3

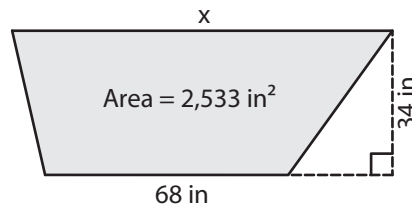
Find x.

1)

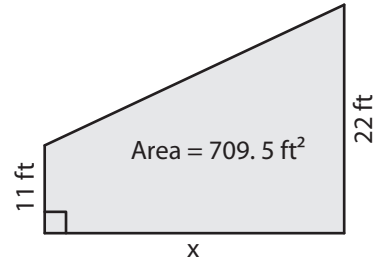


x = _____

2)

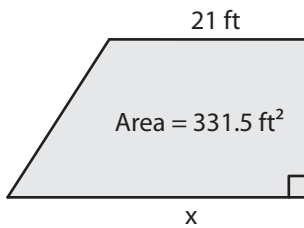


3)



x = _____

4)



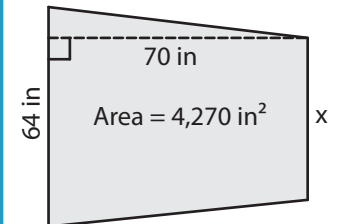
x = _____

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x = _____

7) The lengths of the parallel bases of a trapezoid are 100 feet and 150 feet. The area of the trapezoid is 11,250 square feet. Find the height of the trapezoid.

What is the height of the trapezoid?

8) The perpendicular distance between the bases of a trapezoid is 35 feet and one of the bases measures 98 feet. If the area of the trapezoid is 2,712.5 square feet, find the length of the other base.

Name : _____

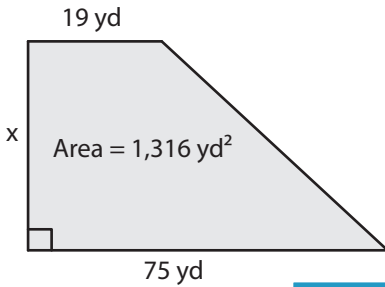
Answer key

Trapezoid - Area

L2S3

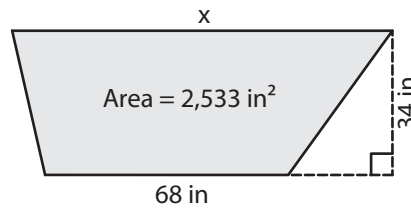
Find x.

1)

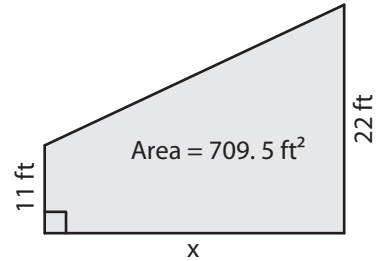


x = 28 yd

2)

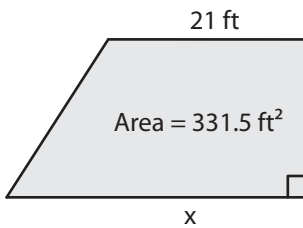


3)



x = 43 ft

4)



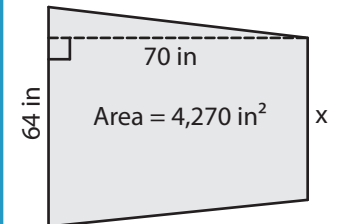
x = 30 ft

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x = 58 in

7) The lengths of the parallel bases of a trapezoid are 40 inches and 60 inches. What is the height of the trapezoid, if the area is 1,000 square inches?

What is the height of the trapezoid?

The height of the trapezoid is 40 inches.

8) The perpendicular distance between the bases of a trapezoid is 35 feet and one of the bases measures 98 feet. If the area of the trapezoid is 2,712.5 square feet, find the length of the other base.

The length of the other base of the trapezoid is 57 feet.