Area of Trapezoids word problems

Name:

Date:

✏️ **Solve.**

1) The area of a trapezoid is 72 ft² and its height is 4 ft. If one base of the trapezoid is 12 ft. What is the other base length?

2) The area of a trapezoid is 500 ft² and its height is 25 ft. If one base of the trapezoid is 7 ft. What is the other base length?

3) If a trapezoid has an area of 75 ft² and lengths of the bases are 12 ft and 13 ft. find the height.

4) A trapezoid has an area if 30 cm² and its height is 5 cm and one base is 2 cm. What is the other base length?

5) If a trapezoid has an area of 55 ft² and lengths of the bases are 6 ft and 10 ft. find the height.

6) If a trapezoid has an area of 108 ft² and lengths of the bases are 22 ft and 14 ft. find the height.

7) If a trapezoid has an area of 130 ft² and lengths of the bases are 8 ft and 12 ft. find the height.

8) The area of a trapezoid is 144 ft² and its height is 24 ft. If one base of the trapezoid is 5 ft. What is the other base length?

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QUIZ ?

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Answers

Solve.

1) The area of a trapezoid is 72 ft² and its height is 4 ft. If one base of the trapezoid is 12 ft. What is the other base length?
$x = 24$

2) The area of a trapezoid is 500 ft² and its height is 25 ft. If one base of the trapezoid is 7 ft. What is the other base length?
$x = 33$

3) If a trapezoid has an area of 75 ft² and lengths of the bases are 12 ft and 13 ft. find the height.
$x = 6$

4) A trapezoid has an area if 30 cm² and its height is 5 cm and one base is 2 cm. What is the other base length?
$x = 10$

5) If a trapezoid has an area of 55 ft² and lengths of the bases are 6 ft and 10 ft. find the height.
$x = 13.75$

6) If a trapezoid has an area of 108 ft² and lengths of the bases are 22 ft and 14 ft. find the height.
$x = 6$

7) If a trapezoid has an area of 130 ft² and lengths of the bases are 8 ft and 12 ft. find the height.
$x = 13$

8) The area of a trapezoid is 144 ft² and its height is 24 ft. If one base of the trapezoid is 5 ft. What is the other base length?
$x = 7$

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