

Name : _____

Applications of Factoring Worksheet

Solve.

- 1] The length of rectangle is 3 ft more than 2 times the width. If the area is 44 ft^2 , find the dimensions of the rectangle.

- 2] The width of a rectangle is 4 cm less than the length. The area is 192 cm^2 . Find the dimensions of the rectangle.

- 3] The length of one leg of a right triangle is 3 ft longer than the other leg. The length of the hypotenuse is 15 ft. Find the lengths of the two legs.

Name : _____

Applications of Factoring Worksheet

Answers

- 1] The length of rectangle is 3 ft more than 2 times the width. If the area is 44 ft^2 , find the dimensions of the rectangle.

(Length = 11 ft, width = 4 ft)

- 2] The width of a rectangle is 4 cm less than the length. The area is 192 cm^2 . Find the dimensions of the rectangle.

(Length = 16 cm, width = 12 cm)

- 3] The length of one leg of a right triangle is 3 ft longer than the other leg. The length of the hypotenuse is 15 ft. Find the lengths of the two legs.

9 ft, 12 ft