

C11 - 4.3 - Quadratic Word Problems

The sum of a number and its square is six. Find the numbers.

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The difference of a number and its square is 30. Find the numbers.

Find two numbers who sum to 5 and multiply to 6.

C11 - 4.3 - Quadratic Word Problems

Find two consecutive integers whose product is 156.

The product of two consecutive odd integers is 35. Find the numbers.

The sum of the square of two consecutive integers is 61. Find the numbers.

The difference of squares of two consecutive odd numbers is -24 . Find the numbers.

C11 - 4.5 - Rectangular Garden

A rectangular garden has an area of 48 and a perimeter of 28. What are the lengths and widths?

A rectangular garden has an area of 56 and a perimeter of 30. What are the lengths and widths?

C11 - 3.3/4.5 - Max Height/Total Distance

The height vs distance of a bow and arrow shot off a cliff is represented by following equation:

$$h = -2d^2 + 8d + 10$$

Draw on a graph.

What is the maximum height and the distance it took to get there?

What was the height of the cliff?

How far did the arrow go before it hit the ground?

Find Domain and Range

C11 - 3.3/4.5 - Max Height/Total Distance

The height vs distance of a bow and arrow shot off a cliff is represented by following equation:

$$h = -5d^2 + 10d + 1$$

Draw on a graph.

What is the maximum height and the distance it took to get there?

What was the height of the cliff?

How far did the arrow go before it hit the ground?

Find Domain and Range

C11 - 3.3/4.5 - Max Height/Total time

The height vs distance of a bow and arrow shot straight up is represented by following equation:

$$h = -5t^2 + 20t + 2$$

Draw on a graph.

What is the maximum height and the time it took to get there?

What was the height of the cliff?

How long did the arrow fly before it hit the ground?

Find Domain and Range