

## Factor Solve and Check Quadratics: Apply and Create



Use the matching sheet ID when checking answers.

Use what you learned to explain, construct or apply an idea.

1. A rectangle has sides  $x$  and  $x + 1$  and area 12. Find its positive side lengths.

Answer: 3 and 4

2. Why cannot you set each factor to zero when  $(x - 2)(x - 3) = 6$ ?

Look for:

- States the necessary zero-product condition.

One possible response: The zero-product rule applies only when the product is zero.

Open responses use criteria and an illustrative response. Other well-supported responses can be acceptable.