

Factor Solve and Check Quadratics: Apply and Create



Name: _____ Date: _____

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

A factor can be zero

$x^2 - 5x + 6$ factors as $(x - 2)(x - 3)$. If the product is zero, x can be 2 or 3.

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

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