TRI Factoring Again

# Factoring Quadratics

Factor each of the following expressions.

**1)** 

**3)** 

**2)** 

**4)** 

# Solving Quadratics

Solve each of the following quadratic equations.

**5)** 

**6)** 

**7)** A rocket scientist presses the button to launch the rocket but the button malfunctions. So, 2 seconds later the rocket launches. The path of the rocket can be modeled by the equation . Use the equation to determine how long after the button was pressed the rocket lands on the ground.

**8)** A skydiver jumps from an altitude of 10,000 feet. Ignoring air resistance, the distance above the ground, , of the skydiver can be modeled by , where  is time measured in seconds. How long will it take for the skydiver to be 3,600 feet away from the ground?