Name:

Date:

# Graded Assignment

## Unit Test, Part 2: Quadratic Functions

Answer the questions below. When you are finished, submit this assignment to your teacher by the due date for full credit.

Total score: \_\_\_\_ of 20 points

(Score for Question 1: \_\_\_ of 5 points)

1. Show how to solve  by factoring.

Answer:

(Score for Question 2: \_\_\_ of 8 points)

1. Show how to solve  by completing the square.

Answer:

(Score for Question 3: \_\_\_ of 7 points)

1. David drops a ball from a bridge at an initial height of 70 meters.
2. What is the height of the ball to the nearest tenth of a meter exactly 2 seconds after he releases the ball?
3. How many seconds after the ball is released will it hit the ground?

Answer: