

Math 1010 - Quiz 10

University of Utah

Fall 2009

Name: _____

1. Find the solutions to the quadratic equations:

(a) (4 points)

$$4x^2 + 6x + 1 = 0.$$

(b) (4 points)

$$x^2 - 8x + 19 = 0.$$

2. Find the vertex of the parabola: (2 points)

$$y = x^2 - 4x + 8$$

Hint - $x = -b/(2a)$.

3. Solve the quadratic inequality: (That is, find all values of x for which the inequality is true.) (5 points)

$$x^2 - 6x + 8 \leq 0.$$