

MTH 65 – Graded Homework 14

Due: March 9, 2011

Name _____

1. Find the x -intercepts for the parabola $y = 2x^2 + 3x - 20$ showing all of the necessary work. State your conclusions using complete sentences.

Please note: I'm not asking you to graph the parabolas.

a. $y = 2x^2 + 3x - 20$

b. $y = x^2 - 10x + 41$

2. State the vertex, axis of symmetry, and y -intercepts for each parabola showing the work necessary to determine each vertex. State your conclusions using complete sentences. Again, I am not asking you to graph the parabolas.

a. $y = 2x^2 + 3x - 20$

b. $y = x^2 - 10x + 41$