

Name:

MATH 1513 – College Algebra
Quiz 2 – 8 September 2011
Due Tuesday, 13 September 2011

Show all work. Answers with no work shown will receive no credit.

1. Sketch a graph of the function $f(x) = \sqrt{x - 3}$. What is the domain of f ? What is the range of f ?

2. A line contains the two points (1, 4) and (-4, -2). What is the slope of the line?

3. Graph the equation $5y - 2x = -20$. Label the coordinates of the x-intercept and y-intercept.

4. Consider the following pair of equations:

$$3x - 6y = 5$$

$$-2x + y = 9$$

a.) Are the graphs of these equations parallel, perpendicular, or neither? Why?

b.) Do the graphs of the above equations meet? If so, what are the coordinates of the point at which they meet?

5. Find the zeroes of the function $f(x) = 2x - 3$.

6. On your own sheet of paper, do the following problems

Ch 1.6 #2, 14, 20, 46.

For bonus credit on this quiz, you can also do problem #40.