

Math 1010 - Quiz 4

University of Utah

Fall 2009

Name: _____

1. Find the slope of the line through the points $(2, 1)$ and $(4, 5)$, and sketch a graph of the line. (4 points)
2. Find the slope-intercept form of the line through the point $(3, 2)$ with slope $m = 4$. (4 points)

3. Will the lines given by the general equations:

$$2x + 3y = 7$$

$$3x - 2y = 2$$

be parallel, perpendicular, or neither. Explain why. (4 points)

4. Graph the linear inequality $y > 3x - 2$. (3 points)