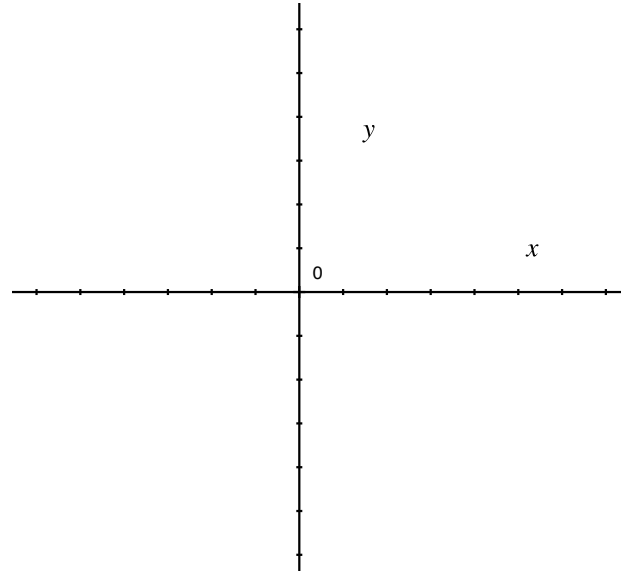


Math 80 Quiz #3
January 27, 2009

Name: _____

Show all work and simplify your answers as much as possible.

1. (3 pts.) Give the coordinates of the intercepts of $2x - 3y = 12$ and use them to graph the equation. (Label your points & line and put a scale on your axes.)



2. (a) (1 pts.) Graph $y = 3$ on the axes above. Be sure to label your line.
- (b) (1 pts.) What is the slope of the line $y = 3$?
3. (2 pts.) A road vertically rises 16 ft for every 40 ft horizontally. What is the grade (slope) of the road? (Give your answer as a percentage.)
4. (3 pts.) Line 1 goes through the points $(-3, -2)$ and $(-1, 5)$. Line 2 goes through $(0, 0)$ and $(-7, 2)$. Are these lines parallel, perpendicular, or neither?