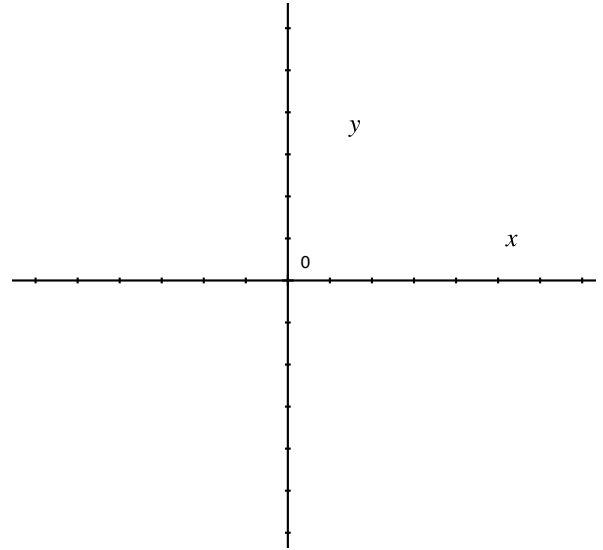


**Math 80 Quiz #4**  
**February 3, 2009**

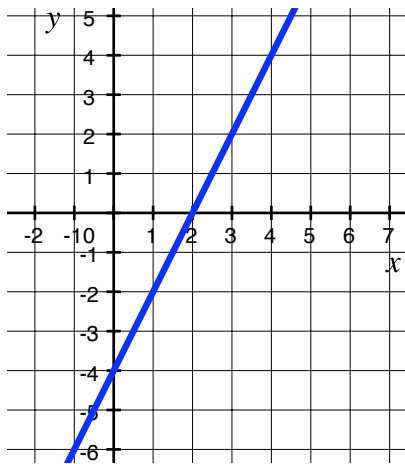
Name: \_\_\_\_\_

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

1. (3 pts.) Write the equation  $x + 4y = 12$  in **slope-intercept form** and then draw its graph on the following axes. (Put a scale on your axes.)



2. (2 pts.) Write an equation of the following line.



3. (2 pts.) Are the following lines parallel, perpendicular, or neither? Explain.

$$y = \frac{1}{2}x + 5 \quad y = 2x - 3$$

4. (3 pts.) Write an equation for the line through the points  $(-1, 4)$  and  $(1, -2)$ .