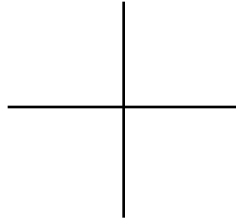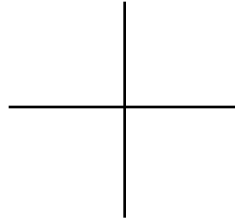1. Sketch a graph for each of the equations below.
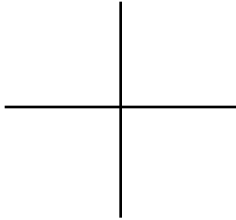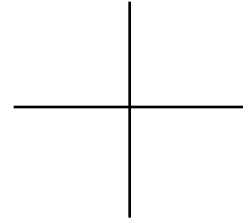
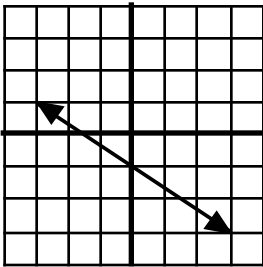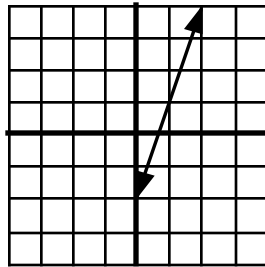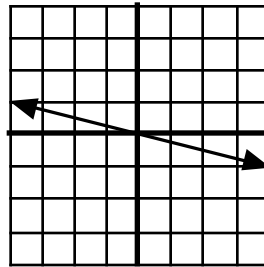   a) $y = 2x - 3$ b) $y = \frac{1}{3}x + 1$ c) $y = -4x$ d) $y = -2$

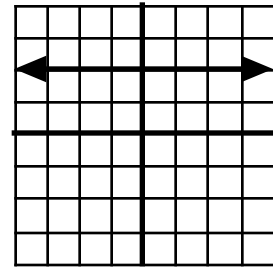2. Write an equation for each of the graphs shown below.

$y =$ _____ $y =$ _____ $y =$ _____ $y =$ _____

3. The following questions refer to the lines whose equations are given below:

    (a) $y = \frac{-2}{3}x + 4$ (b) $y = -x + 5$ (c) $y = \frac{3}{2}x - 1$ (d) $y = -2x - 4$ (e) $y = x - 1$

    Which equations are parallel?

    Which equations pass through the point (3, 2)?

    Which equations have the same y-intercept?

    Which equations are perpendicular?

    Which equations pass through the third quadrant?

4. Write the equation of a line with a slope of $\frac{-1}{2}$ which contains the point (6, -3).

5. Find k if the line through A(k, 3) and B(2, -1) has a slope of .-2/3