Graphing Equations in Two Variables

1. Determine whether or not the equation is a linear equation in two variables

$$y = 3x^2 - 5$$

2. Determine whether or not the equation is a linear equation in two variables

$$3y + 2x = 7$$

3. Determine whether or not the equation is a linear equation in two variables

$$x + 3 = 0$$

4. Determine whether or not the equation is a linear equation in two variables

$$y = \frac{5}{x - 1}$$

5. Graph each linear equation

$$y = -2x + 3$$

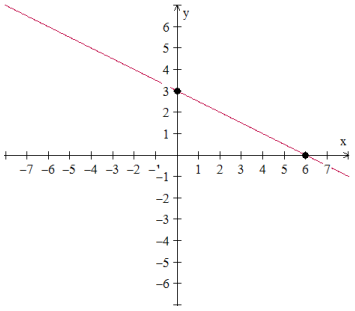
6. Graph each linear equation

$$4x - 3y = 12$$

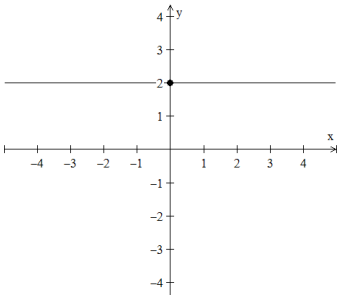
7. Graph each linear equation

$$x + 3 = 0$$

8. Find the intercepts of each graph



9. Find the intercepts of each graph



10. Find the intercepts of each equation

$$5x - 2y = 20$$

11. Find the intercepts of each equation

$$\frac{x}{3} - \frac{y}{6} = 2$$

12. Find the intercepts of each equation

$$x - 5 = 0$$

13. Graph each linear equation by finding its intercepts

$$\frac{1}{2}x - 2 = 2y$$

14. Graph each horizontal or vertical line

$$3x - 6 = 0$$