## **Reading Graphs by Inspection**

## **Algorithm**

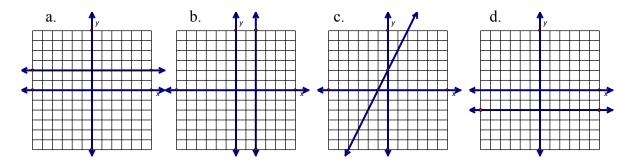
If the equation is in one variable, the graph will be a vertical or horizontal line.

- a. if x = c, vertical line through c
- b. if y = d, horizontal line through d

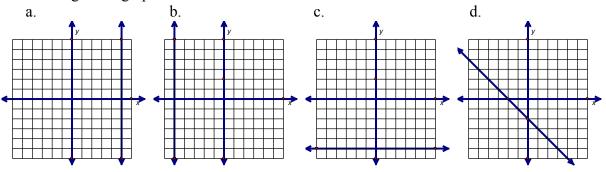
If the equation is in two variables,

- a. in Slope Intercept Form, y = mx + b, the graph passes through b with slope m, or
- b. in General Form, Ax + By = C, the x intercept is C/A, the y intercept is C/B

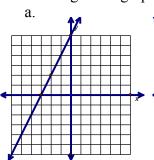
Which of the following is the graph of y = -2?

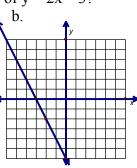


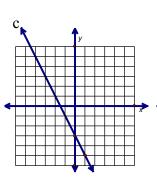
Which of the following is the graph of 2x = -10?

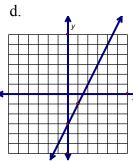


Which of the following is the graph of y = 2x - 3?

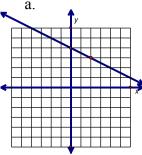


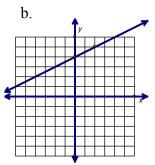


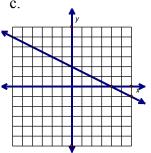




Which of the following is the graph of  $y = \frac{1}{2}x + 4$ ?







d.

