Slope-Intercept

An equation in <u>Slope-Intercept</u> form is…

$$y = mx + b$$

The <u>b</u> stands for the y-intercept which is the beginning point of the line and should be written as an ordered pair.

The <u>m</u> stands for the slope of the line which is the movement between any two points on a line and should be written as a ratio or fraction.

Graph using Slope-Intercept.

1) $y = \dfrac{5}{2}x$

2) $y = -\dfrac{4}{3}x - 2$

3) $y = -4$

4) $y = 10 - \dfrac{3}{2}x$

5) $y = -\dfrac{1}{2}x - 1$

6) $y = -7 - x$

Slope-Intercept WAY

Put in Slope-Intercept Form and Graph.

7) $8x + y = 1$

8) $y - 2x = 6$

9) $3y + 2x = 6 + 2x$

10) $6x + 3y = -12$

11) $16 - 2y = -10x$

12) $5y - 2x = 15$

13) $-3y - 4x = 9$

14) $-5x = -2y - 16$