Slope-Intercept TRUTH

An equation in Slope-Intercept form is…

$$y = mx + b$$

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

The m 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.

Slope Graphing WAY

Graph using Slope-Intercept.

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

2) $y = 4x$

3) $y = -2x + 3$

4) $y = 4 - x$

5) $y = -\frac{2}{3}x$

6) $y = -3x - 7$

Slope-Intercept Classwork

Graph using Slope-Intercept.

7) $y = \frac{3}{2}x - 2$

8) $y = 2x - 8$

9) $y = -\frac{1}{4}x + 6$

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

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

12) $y = 2 + x$

Slope-Intercept Classwork

Graph using Slope-Intercept.

13) $y = \frac{1}{2}x + 3$

14) $y = -5 - x$

15) $y = -\frac{4}{3}x + 6$

16) $y = 9 + \frac{2}{3}x$

17) $y = -\frac{2}{5}x - 8$

18) $y = -x$