Graphing by Inspection ~
Slope Intercept & General Form of Equation of a Line

y = mx + b
Graph the y-intercept (b) first, then use the slope (m) to find another point and graph

Ax + By = C
Find the x-intercept by letting y = 0, find the y-intercept by letting x = 0, plot the two points and graph. The slope is –A/B

On a separate sheet of paper, graph the following equations by Inspection.

1) $y = 2x + 1$

2) $y = 3x + 2$

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

4) $y = 2x - 3$

5) $y = \frac{1}{2}x - 4$

6) $y = -3x + 2$

7) $y = -4x + 6$

11) $3x + 4y = 12$

12) $6x - 2y = 6$

13) $-5x + 10y = 20$

14) $x + y = 1$

15) $x - y = 1$

16) $2x + 2y = 2$

17) $2x - 2y = 2$

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

9) $y = -3x - 2$

10) $y = 4x$

18) $5x - 2y = 7$

19) Compare #14 & #16

20) Compare #15 & #17