Algebra I   Worksheet #8   Unit 6   Selected Solutions

For each of the following equations:
- (a) find its slope,
- (b) find its y-intercept, and
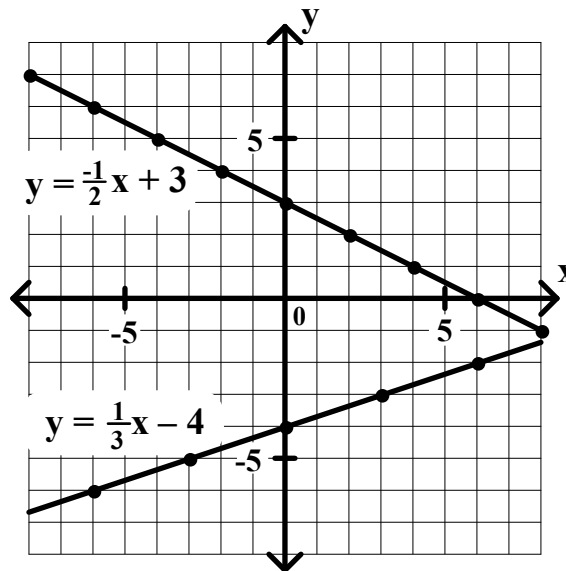- (c) sketch its graph. Label each graph with its equation.

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

(a) $\frac{-1}{2}$ (b) __3__

4. $y = \frac{1}{3}x - 4$

(a) $\frac{1}{3}$ (b) __-4__

Graph each of the following equations. Use the equation to label each graph.

11. $y = -3x - 2$

12. $y = \frac{1}{4}x + 2$

13. $y = x$

14. $x + y = 0 \longrightarrow y = -x$

15. $2x + y = 3 \longrightarrow y = -2x + 3$

16. $x - 2y = 0$

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