

Algebra I Worksheet #7 Unit 6 Selected Solutions

For each of the following equations:

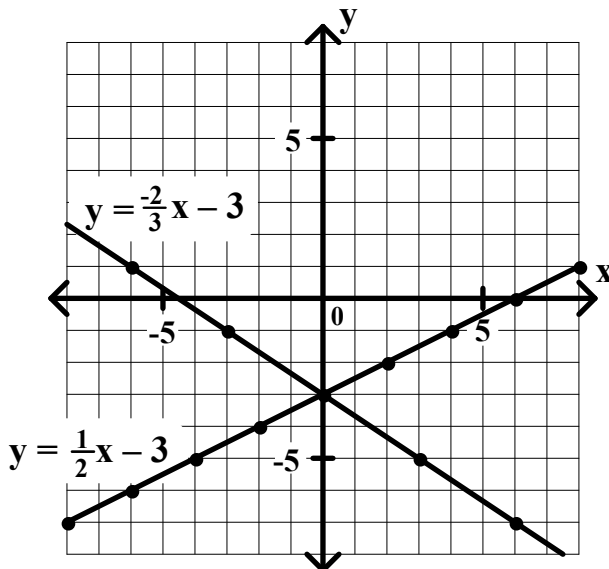
- (a) find its slope,
- (b) find its y-intercept, and
- (c) sketch its graph. Label each graph with its equation.

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

(a) $\frac{1}{2}$ (b) -3

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

(a) $\frac{2}{3}$ (b) -3



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

5. $x - 3 = 0 \rightarrow x = 3$

8. $y + 3 = 0 \rightarrow y = -3$

6. $2x + y = 1 \rightarrow y = -2x + 1$

9. $2x - 3y = 9$

$-3y = -2x + 9 \rightarrow y = \frac{2}{3}x - 3$

7. $3x - y = 3$

10. $x + 2y = 4$

$-y = -3x + 3 \rightarrow y = 3x - 3$

$2y = -x + 4 \rightarrow y = \frac{-1}{2}x + 2$

