

3.1 Standard Form Equations of Lines

Algebra 1

Name: _____

Circle all the ordered pairs (x, y) that are solutions to the given equation.

1. $2x + 8y = 16$

- (2, 0) (-4, 3) (3, 1) (1, 1) (0, 2)

2. $x - 3y = 4$

- (0, -1) (6, 1) (-2, -2) (-4, -4) (12, 2)

3. $3y - 2x = -3$

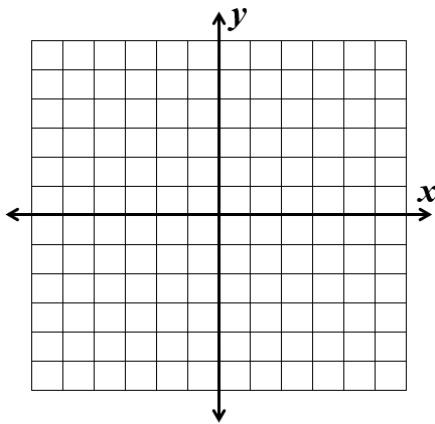
- (11, 6) (0, -1) (3, 1) (-3, -3) (4, 1)

4. $3x + 4y = -5$

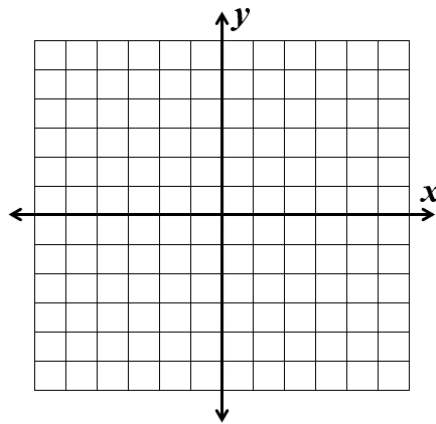
- (1, -2) (2, -3) (-3, 2) (4, -5) (-5, 3)

Graphing Standard Form. Solve for y , then graph.

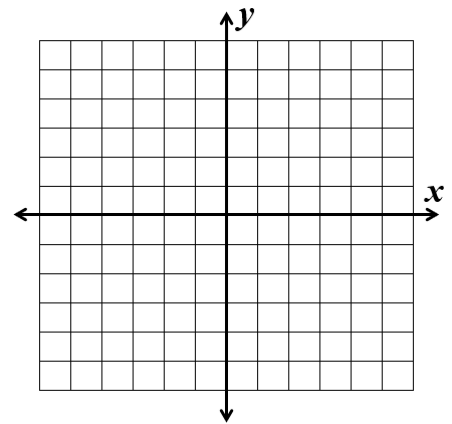
5. $3x - y = -5$



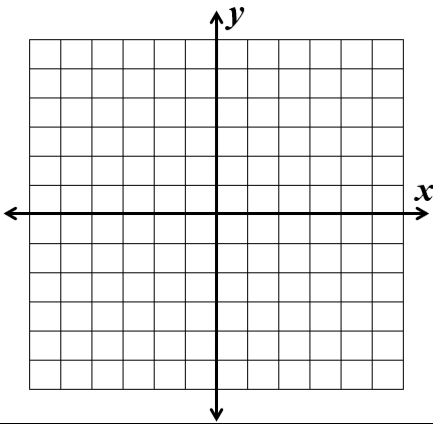
6. $4x + y = 0$



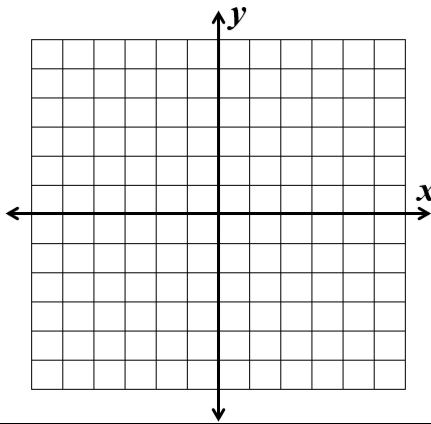
7. $y = 4$



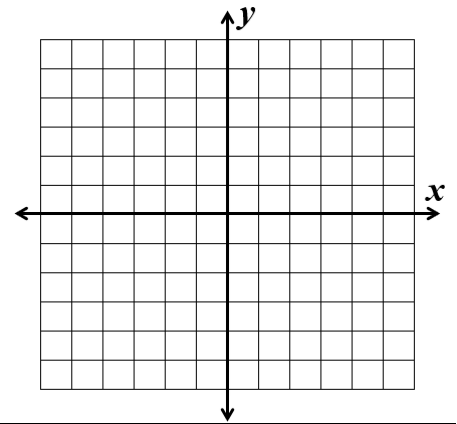
8. $5x + 4y = 0$



9. $3x - 5y = 5$



10. $x = -1$

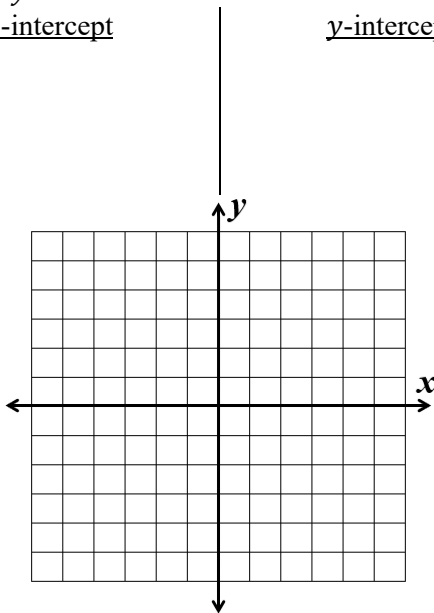


Graphing Standard Form. Find the x - and y -intercepts, then graph.

11. $x - 2y = 2$

x -intercept

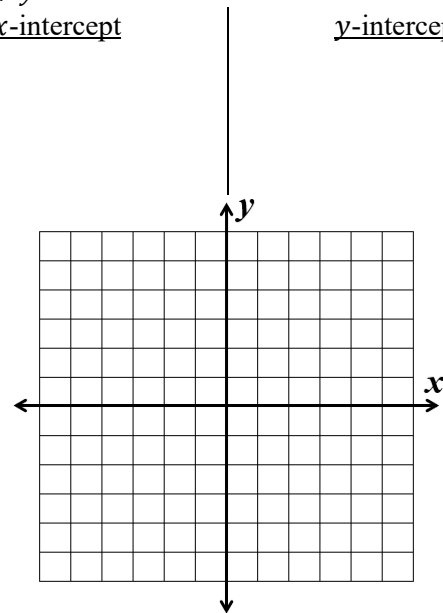
y -intercept



12. $4x + y = 4$

x -intercept

y -intercept



Answers to 3.1 CA #1

1. $(-4, 3), (0, 2)$	2. $(-2, -2)$	3. $(0, -1), (3, 1), (-3, -3)$	4. $(1, -2)$
5.	6.	7.	8.
9.	10.	11.	12.