

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. $8x - y = 4$

- $(0, -4)$ $(3, 20)$ $(-3, -28)$ $(1, 4)$ $(-1, -12)$

2. $x + 7y = 8$

- $(1, 1)$ $(7, 1)$ $(-6, 2)$ $(-10, 4)$ $(8, 0)$

3. $6x + y = -3$

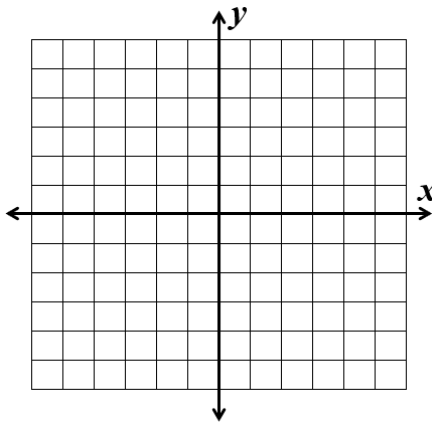
- $(3, -20)$ $(0, -1)$ $(1, -8)$ $(-3, 15)$ $(-2, 10)$

4. $4y - 2x = -6$

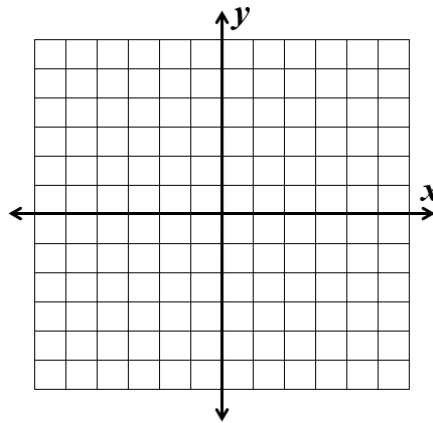
- $(1, -1)$ $(2, -1)$ $(-3, -3)$ $(7, 2)$ $(-8, -5)$

Graphing Standard Form. Solve for y , then graph.

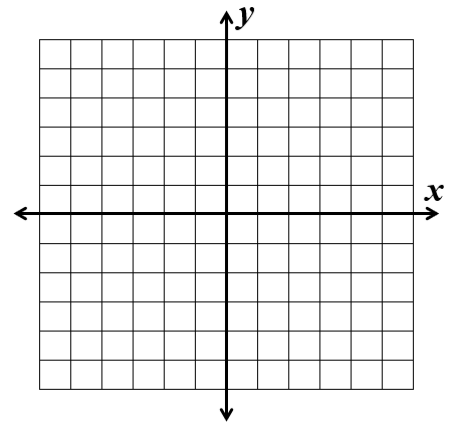
5. $x + y = -2$



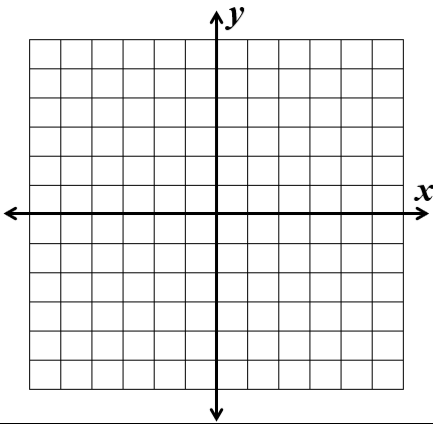
6. $6x - y = -4$



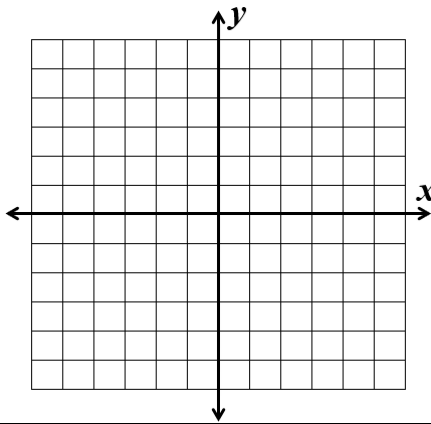
7. $x = 3$



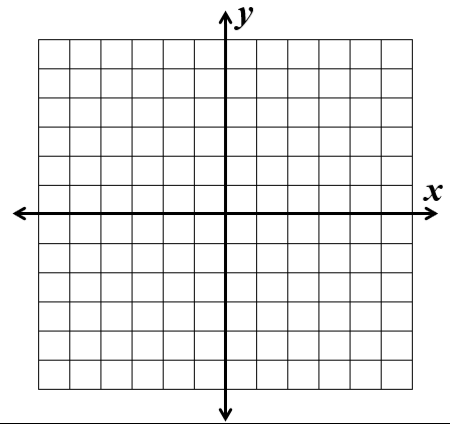
8. $x + 5y = -25$



9. $y = 2$



10. $4x + 3y = 0$

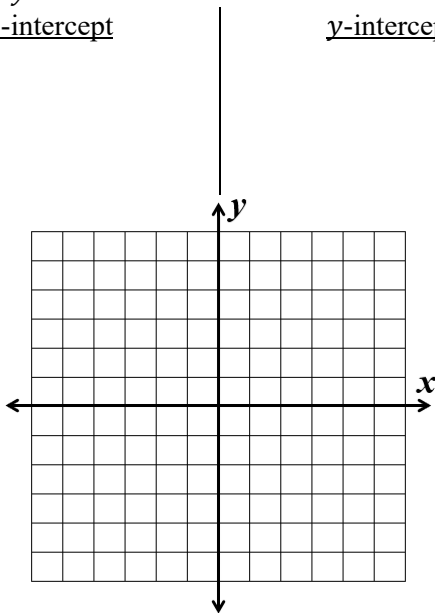


Graphing Standard Form. Find the x - and y -intercepts, then graph.

11. $x + 2y = 2$

x -intercept

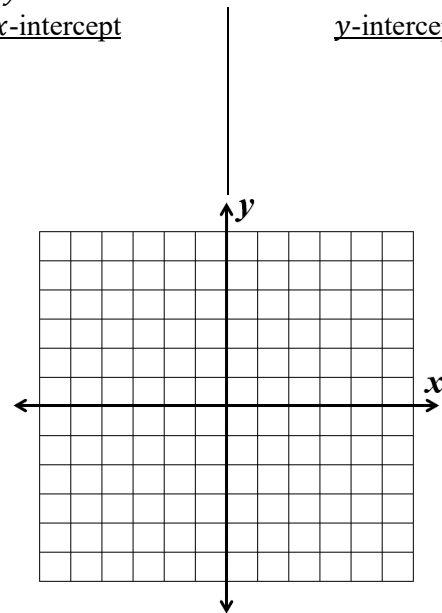
y -intercept



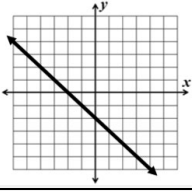
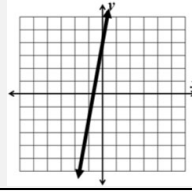
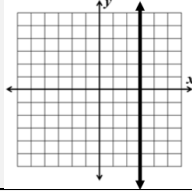
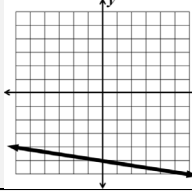
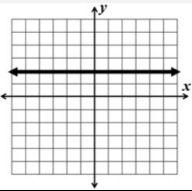
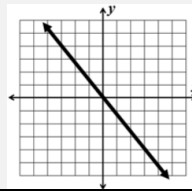
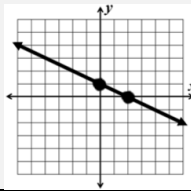
12. $x - y = -2$

x -intercept

y -intercept



Answers to 3.1 CA #2

1. All five!	2. $(1, 1), (-6, 2), (8, 0)$	3. $(-3, 15)$	4. $(1, -1), (-3, -3)$
5. 	6. 	7. 	8. 
9. 	10. 	11. 	12. 