3.1 Standard Form Equations of Lines

Algebra 1 Name: _____ **CA #2**

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. $6x + y = -3$

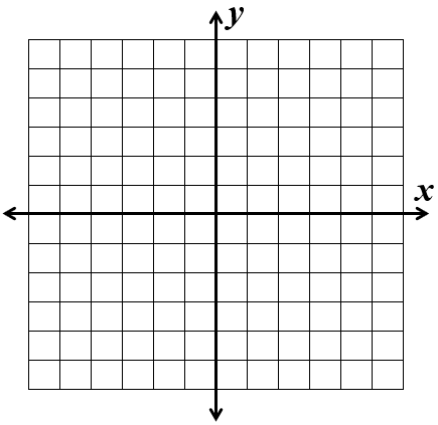
$(3, -20)$ $(0, -1)$ $(1, -8)$ $(-3, 15)$ $(-2, 10)$

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

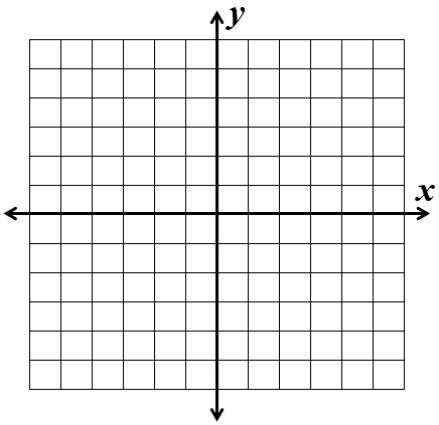
$(1, -1)$ $(2, -1)$ $(-3, -3)$ $(7, 2)$ $(-8, -5)$

Graphing Standard Form. Solve for *y*, then graph.

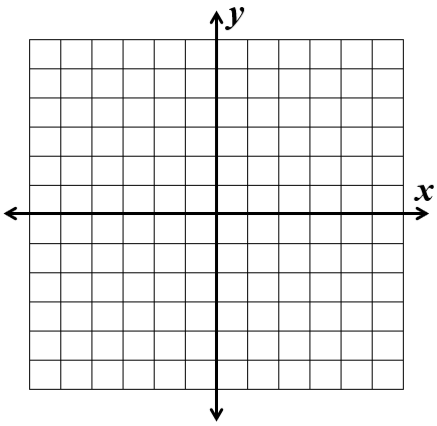
5. $x + y = -2$



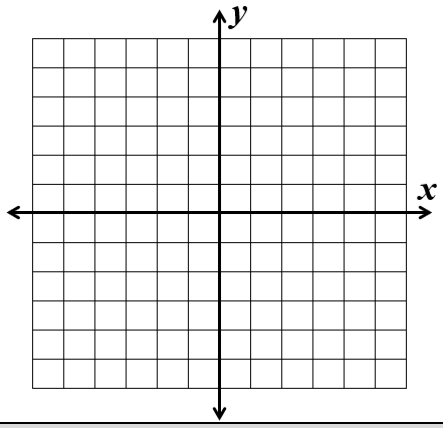
6. $6x - y = -4$



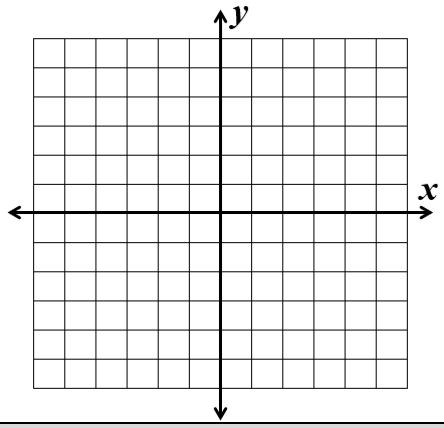
7. $x = 3$



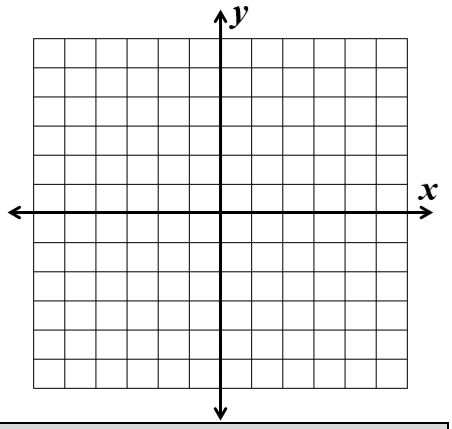
8. $x + 5y = -25$



9. $y = 2$



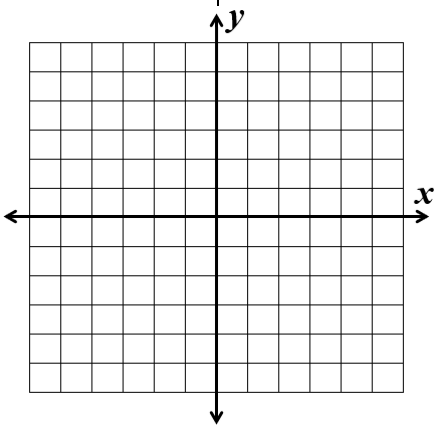
10. $4x + 3y = 0$



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

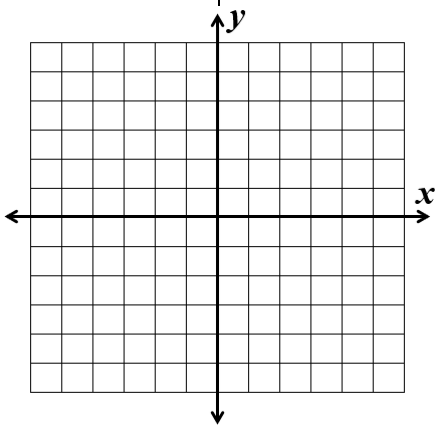
11. $x + 2y = 2$

x-intercept $\qquad$ y-intercept

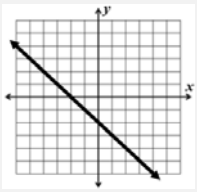
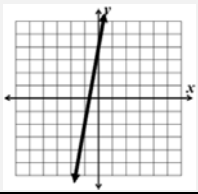
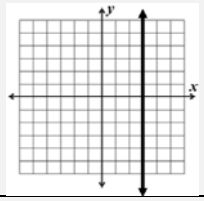
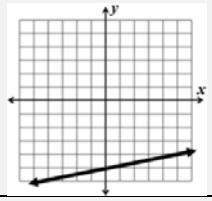
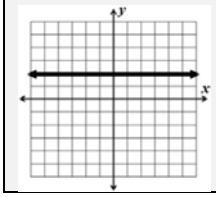
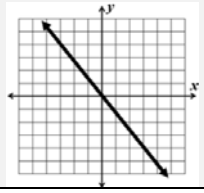
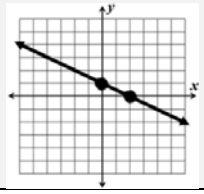


12. $x - y = -2$

x-intercept $\qquad$ 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.