

Name: _____

Converting from Standard form to Slope-Intercept Form

Convert from the given standard form of a linear equation to the slope-intercept form of a linear equation.

1. $x + 5y = 5$

2. $3x + 2y = 4$

3. $2x + y = 4$

4. $4x - 2y = 6$

5. $8x - 4y = 16$

6. $3x + 4y = 4$

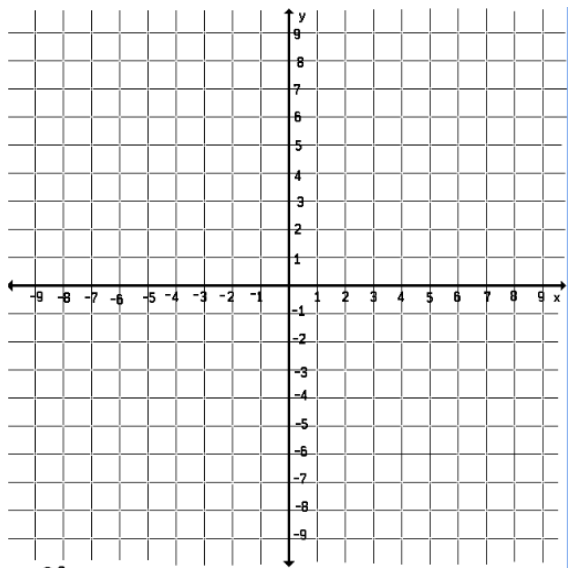
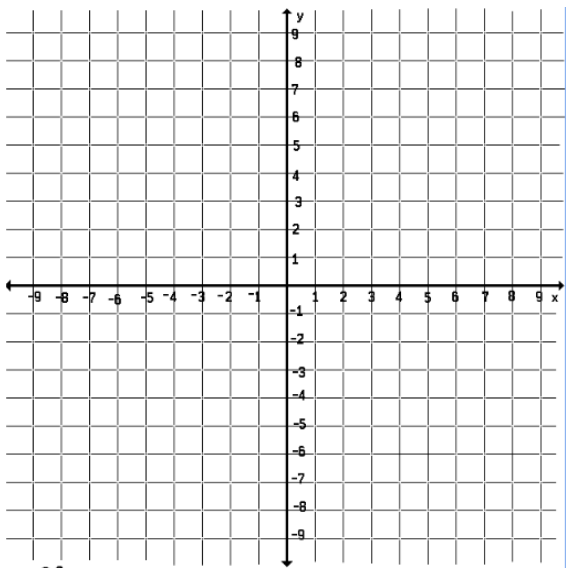
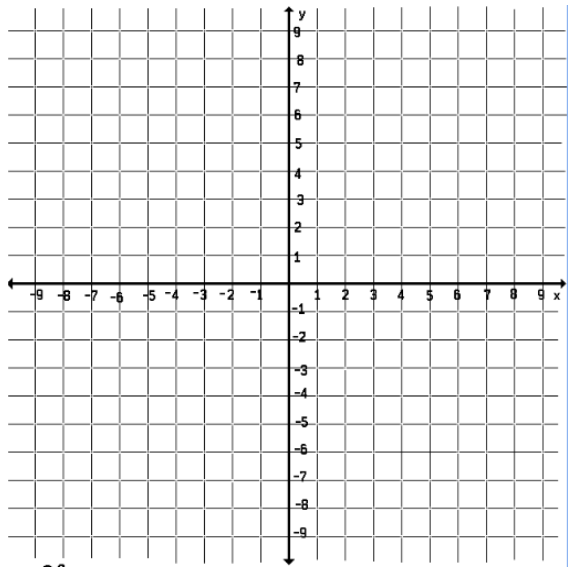
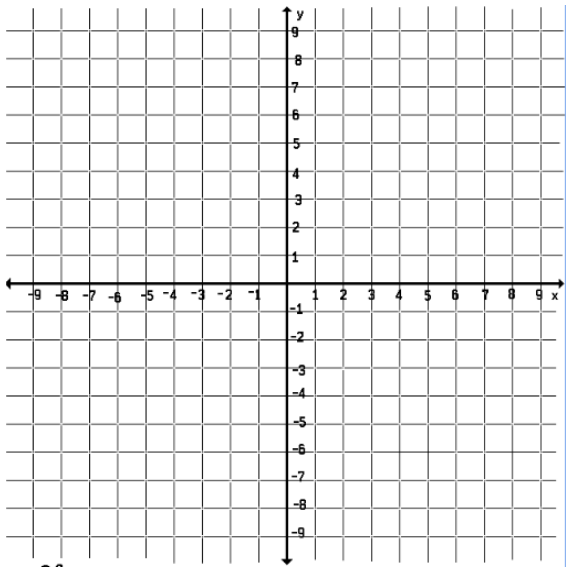
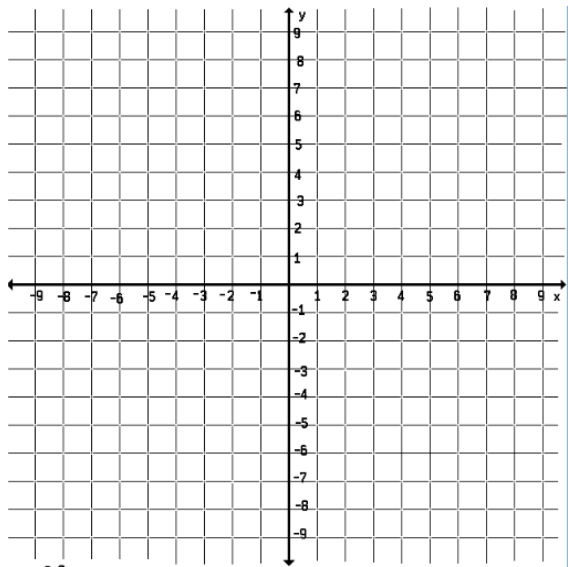
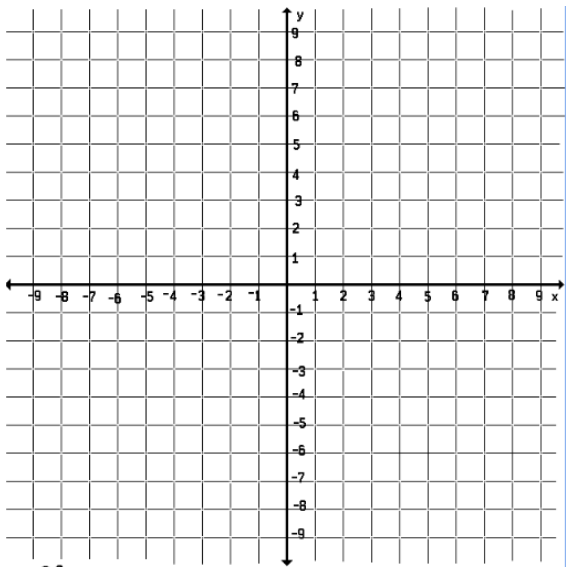
7. $9x - 4y = -16$

8. $2x - 5y = 10$

9. $3x + 5y = -25$

10. $7x - y = 4$

Choose 6 of the equations from the previous page to graph.



Review:

2-91.

Use this new algebraic method to find equations for lines with the following properties:

- a. A slope of -3 , passing through the point $(15, -50)$.
- b. A slope of 0.5 with an x -intercept of $(28, 0)$.

2-94.

The point $(21, 32)$ is on a line with slope 1.5 . [2-94 HW eTool](#) (Desmos) [Homework Help](#) 

- a. Write the equation of the line.
- b. What are the coordinates of another point on the line?

2-102.

Write the equation for the line containing the points listed in the table below. [2-102 HW eTool](#) (Desmos) [Homework Help](#) 

x	-1	1	3	5
y	2	16	30	44

2-109.

Calculate the slope of the line containing the points in the table below. [Homework Help](#) 

input (x)	2	4	6	8	10
output ($f(x)$)	4	10	16	22	28

2-98.

MATCH-A-GRAPH

Match the following graphs with their equations. Pay special attention to the scaling of each set of axes. Explain how you found each match. [Homework Help](#)

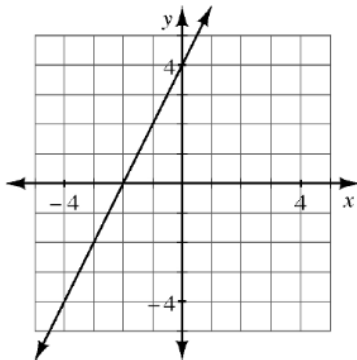
a. $f(x) = \frac{1}{4}x + 4$

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

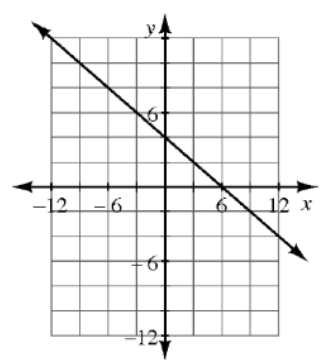
c. $y = 2x + 4$

d. $f(x) = -\frac{2}{3}x + 4$

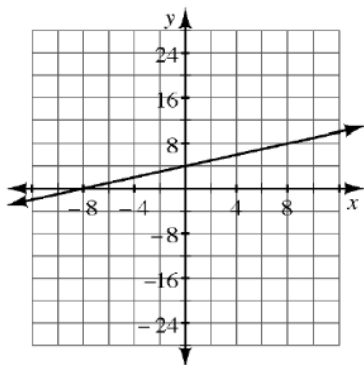
1.



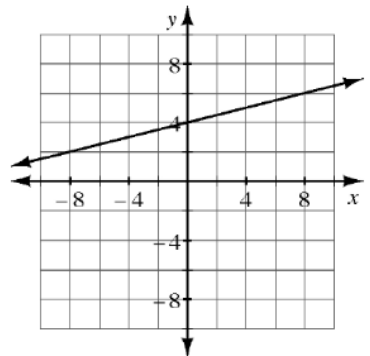
2.



3.



4.



2-111.

Use the function $f(x) = \frac{6}{2x-3}$ to calculate the value of each expression below. [Homework Help](#)

a. $f(1)$

b. $f(0)$

c. $f(-3)$

d. $f(1.5)$

e. What value of x would make $f(x) = 4$?