Slope Intercept Form
Practice

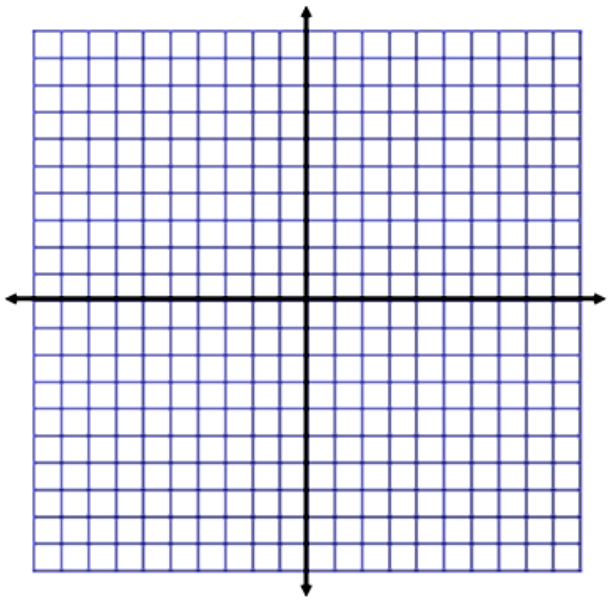
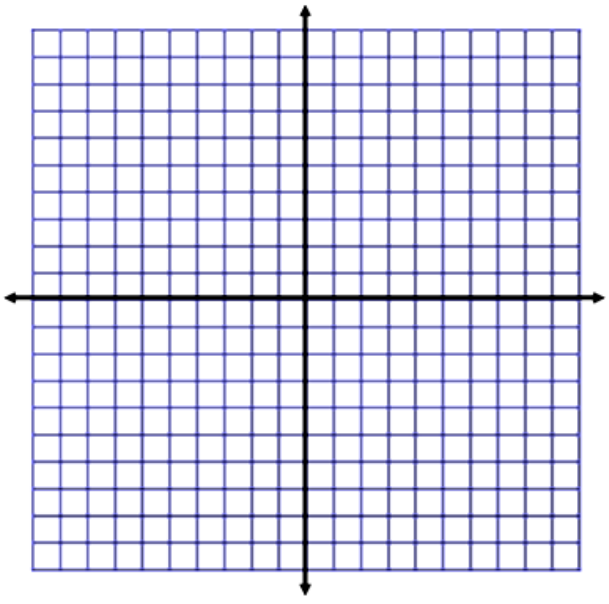
1. What is the slope intercept form? _____

2. What is the slope formula? _____

Identify the slope and y- intercept from each equation. Make sure the equation is in slope intercept form!! You may leave any fractions as simplified improper fractions.

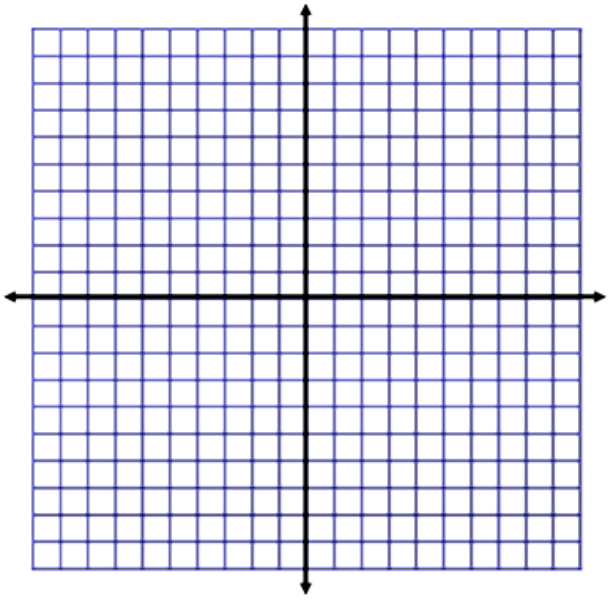
3. $y = 6x + 3$ Slope: _____ y- intercept: _____	4. $12x + 3y = -9$ Slope: _____ y- intercept: _____	5. $-5y = 25x - 100$ Slope: _____ y- intercept: _____	6. $3y - 2x = 22$ Slope: _____ y- intercept: _____

Graph each equation. ** Make sure the equation is in slope intercept form.

7. $y = \frac{1}{4}x - 3$ Slope: _____ y- int: _____ 	8. $y = 4x + 3$ Slope: _____ y- int: _____ 

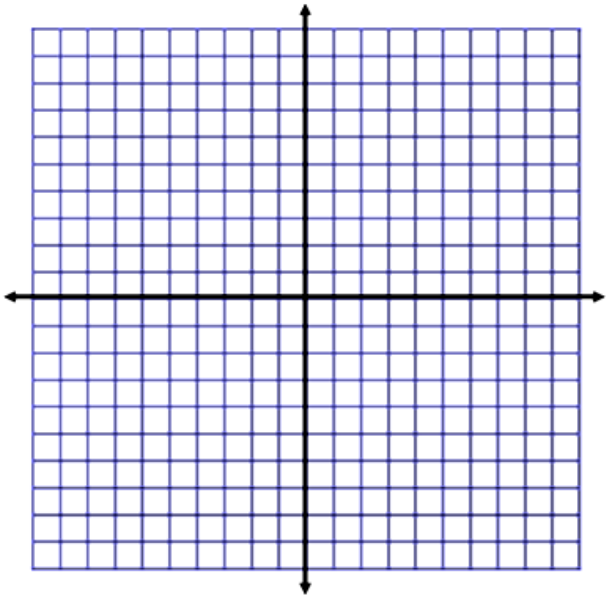
9. $y = -\frac{2}{3}x + 5$

Slope: _____ y- int: _____



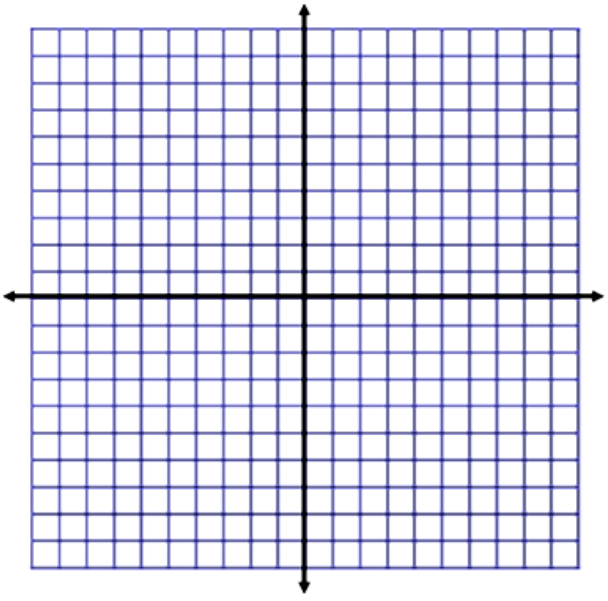
10. $2y = 14x - 8$

Slope: _____ y- int: _____



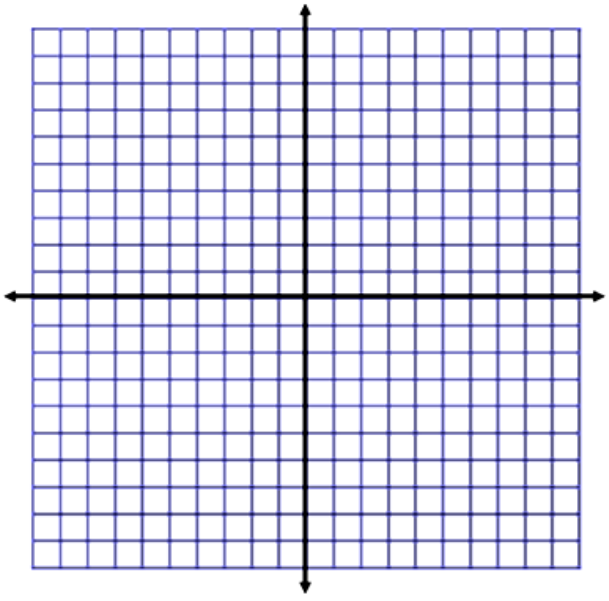
11. $y = -3$

Type of line: _____



12. $x = 5$

Type of line: _____



Write the equation of a line with the following information:

13. Slope of 4, y- intercept of 3	14. Slope of $\frac{1}{2}$, y- intercept of 12
15. Slope of $-\frac{6}{5}$, y- intercept of -34	16. Undefined slope, goes through the point $(2, 3)$
17. Slope of 0, through the point $(9, -7)$	18. Slope of -3, through the point $(0, 8)$

Complete:

V

U

X

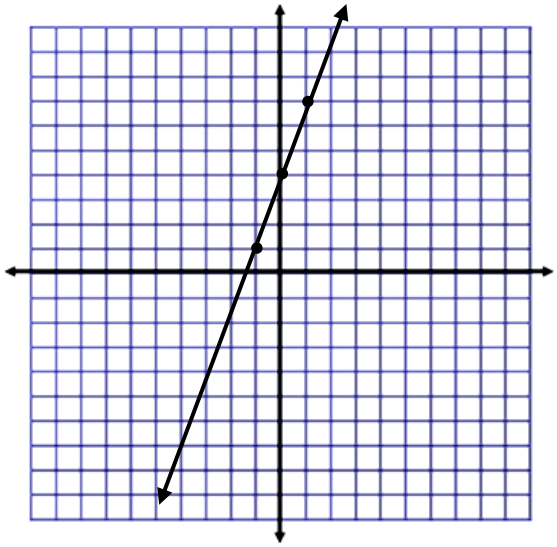
H

O

Y

Write the equation of the given line:

19.

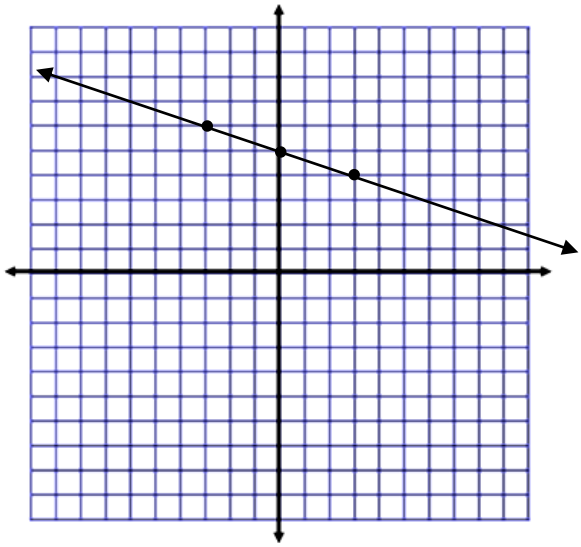


Slope: _____

y- int: _____

Equation: _____

20.

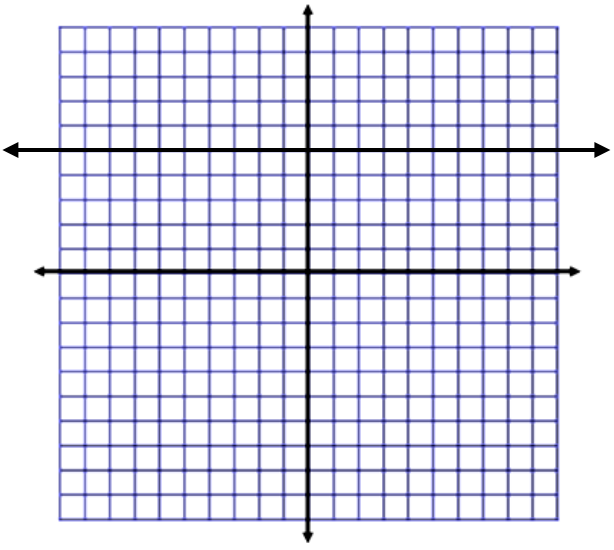


Slope: _____

y- int: _____

Equation: _____

21.



Slope: _____

y- int: _____

Equation: _____