

I can graph lines on the coordinate plane. I can write the equation for a line.

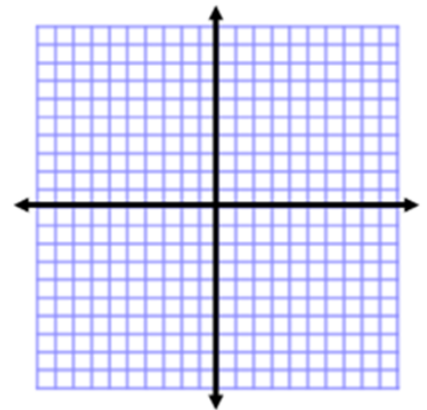
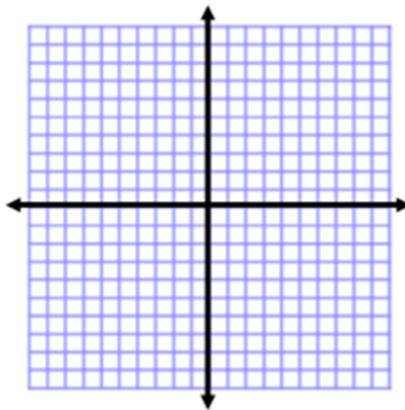
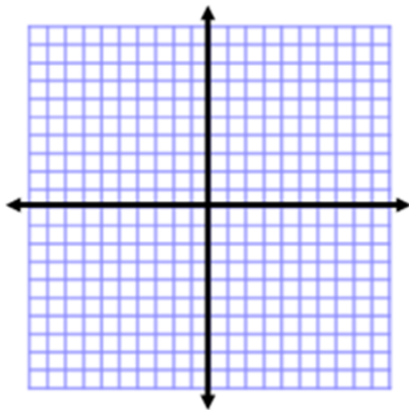
Slope Intercept Form:

Graph the following lines.

1. $y = -3x + 2$

2. $y - 3 = \frac{1}{2}x$

3. $5x - 3y = 12$



Slope:

Find the slope of the line through the given points.

4. (3,5) and (6, -1)

5. (-2,3) and (4, 6)

6. (-3, 7) and (-1, 7)

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Write an equation of a line given the slope and a point.

7. slope = -2 and point (-5,3)

8. slope = $\frac{1}{2}$ and point (-1, -2)

9. slope = 3 and point (1, -6)

10. slope = 2 and point (2,3)

Write an equation of a line given two points.

11. (2,3) and (4,5)

12. (4, 5) and (5,2)

13. (2,3) and (-4,15)

14. (-2,3) and (1, -6)