**I.** Slope – intercept form of a line is a linear equation that is solved for the “y” variable.

slope-intercept form: ­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

“m” is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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“b” is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

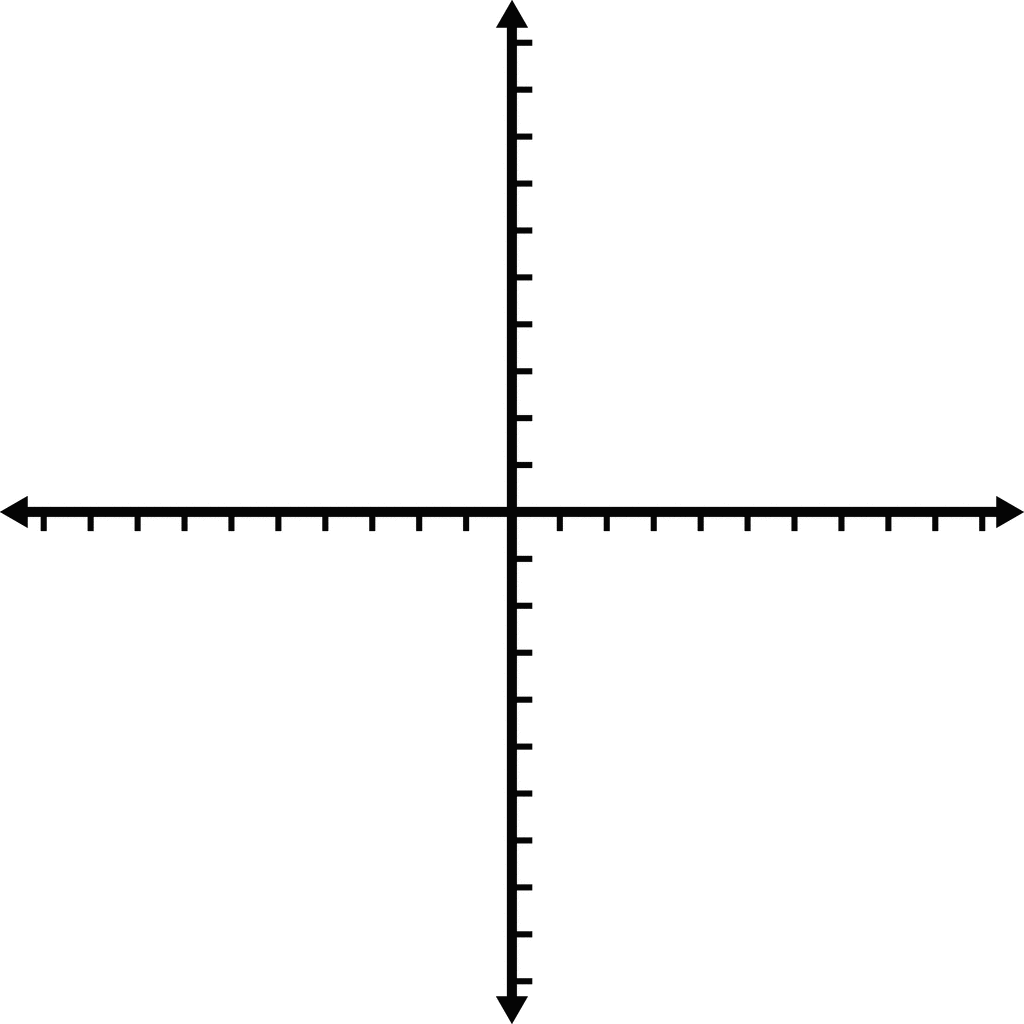
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

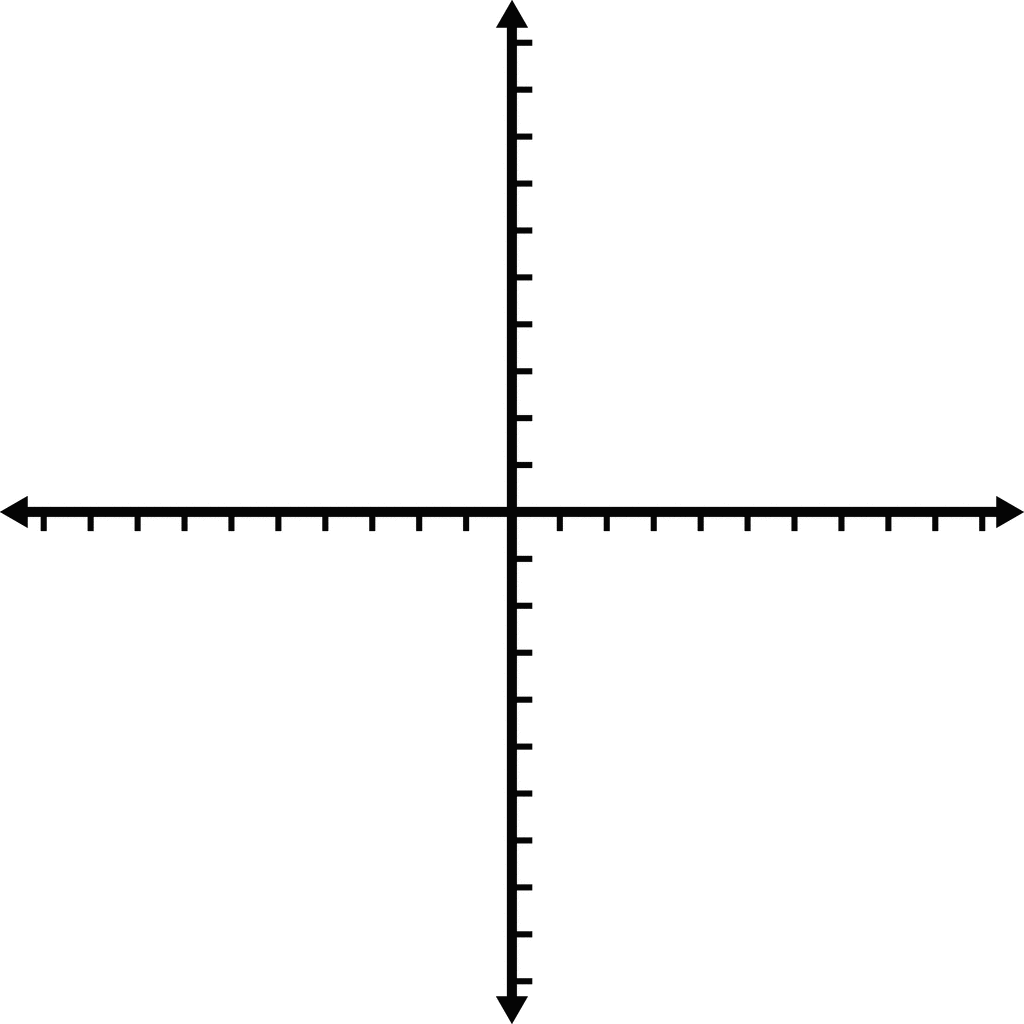
Use your graphing calculator to take a look at slope of lines:

All equations must be in slope-intercept form in order to type it in the calculator.

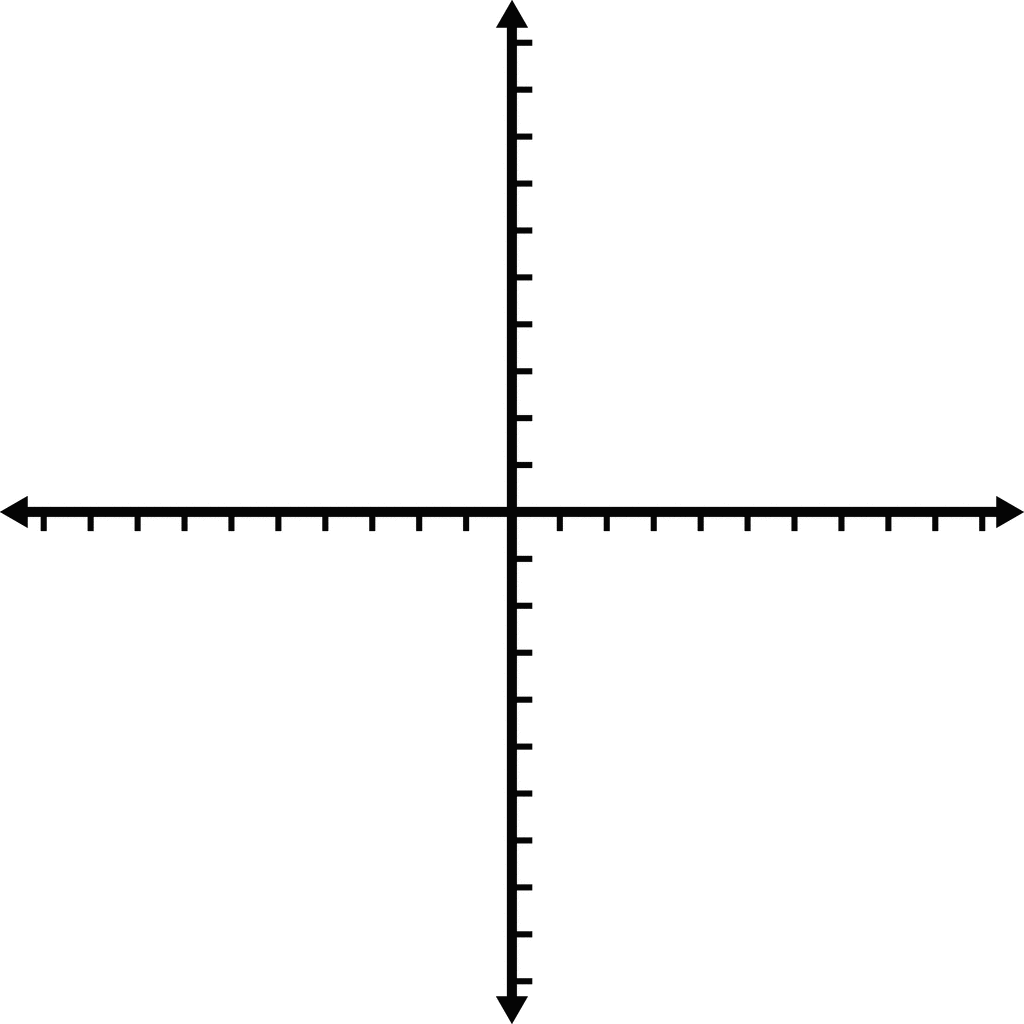
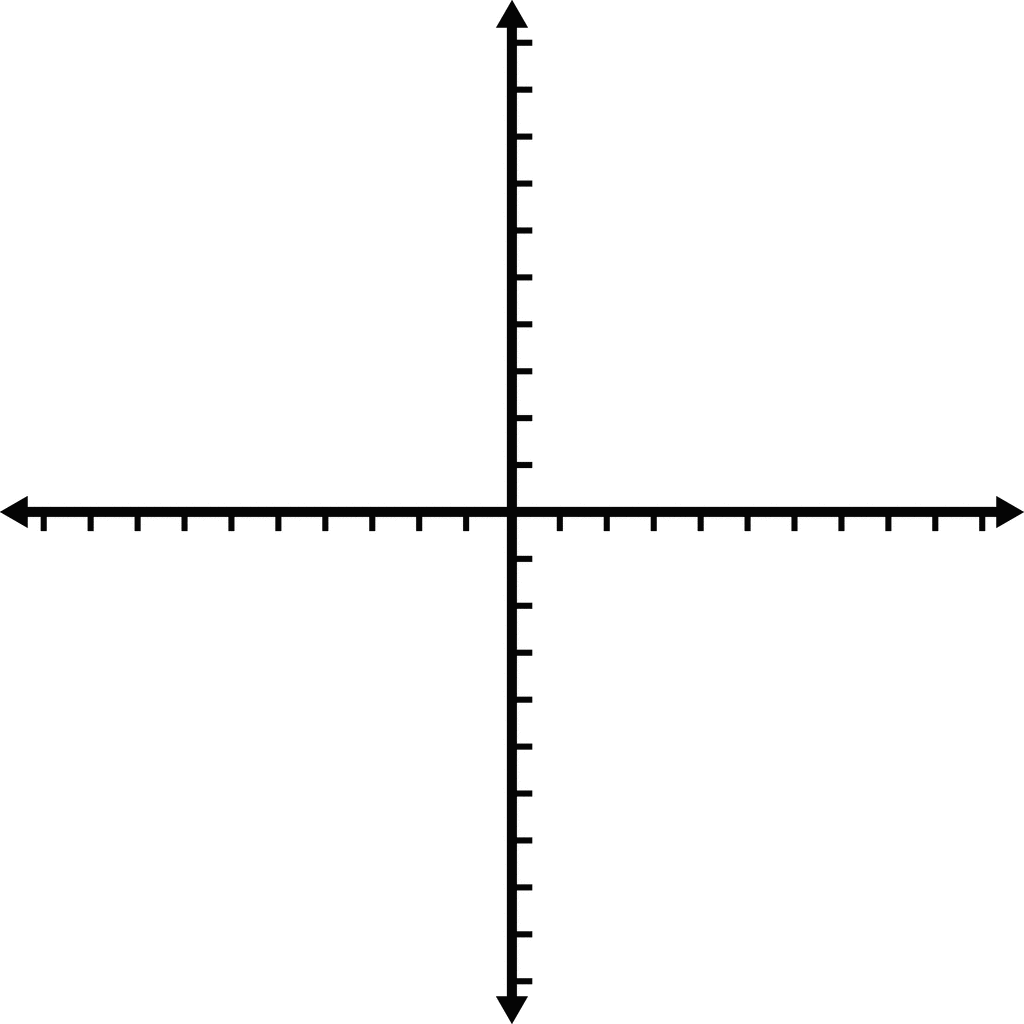
**y = y1: (type your equation) graph**

**ZOOM 6: standard**

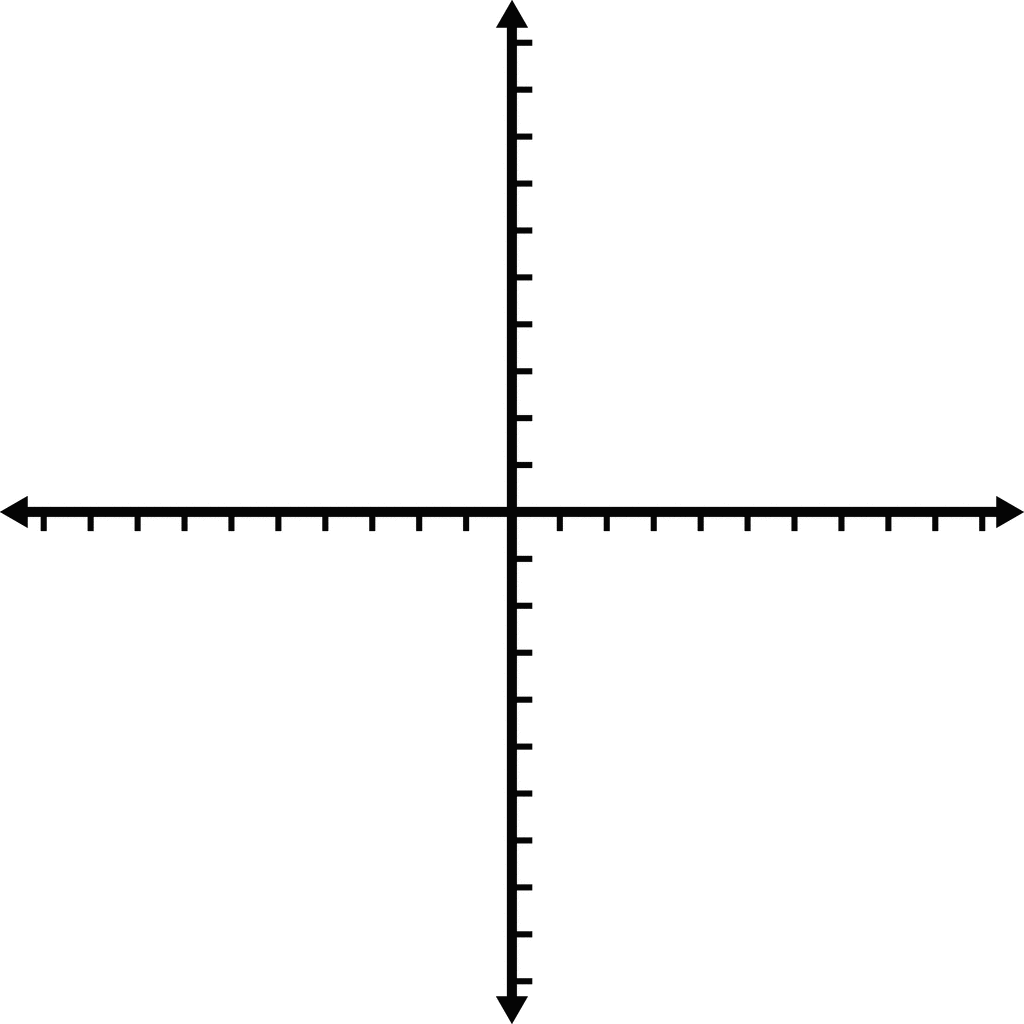
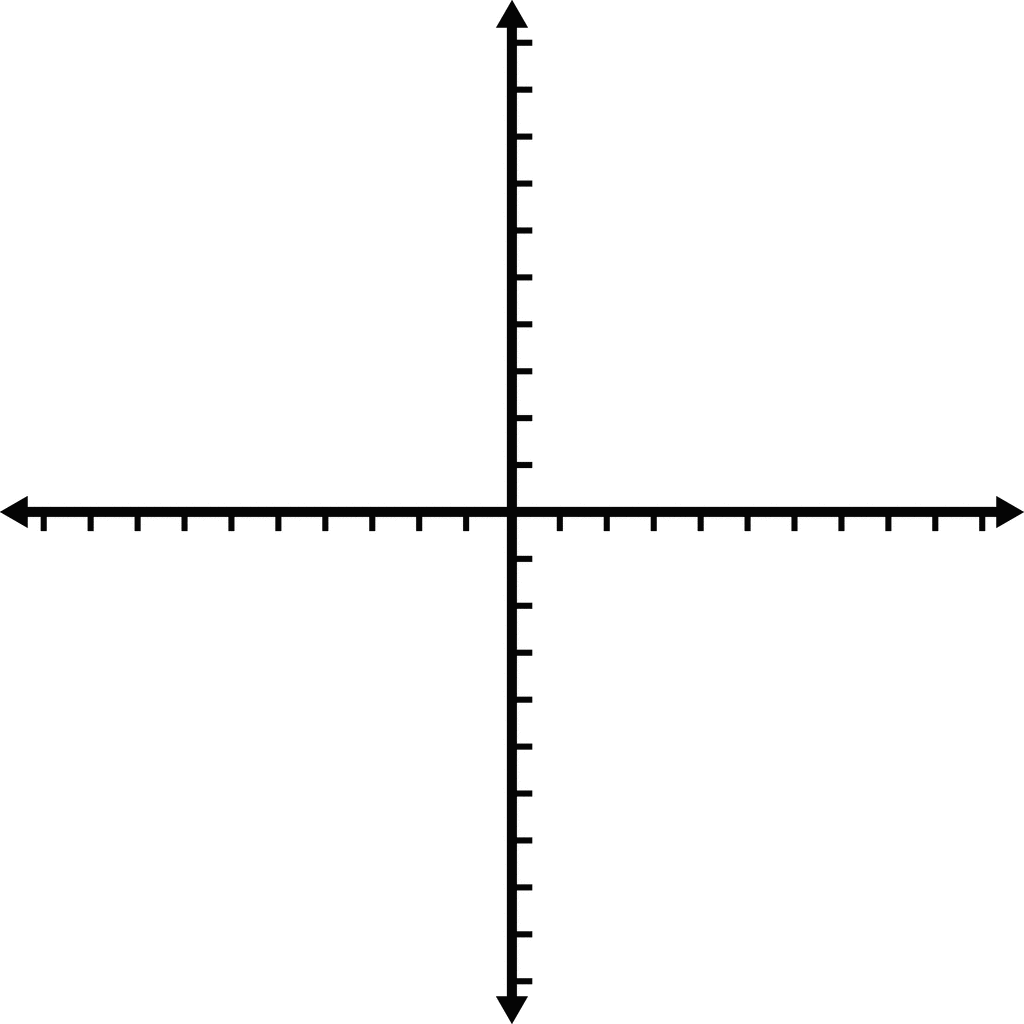




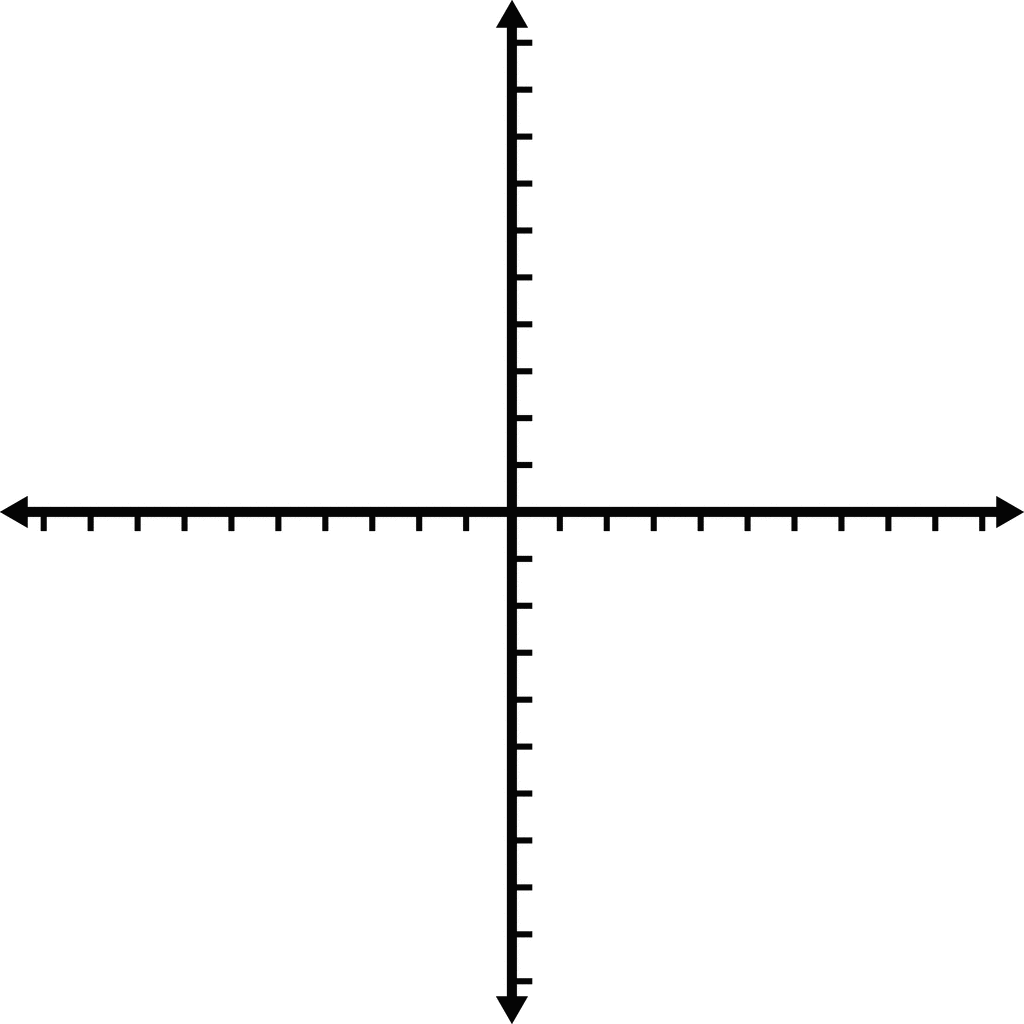
y = 2x + 3 y = –2x + 3

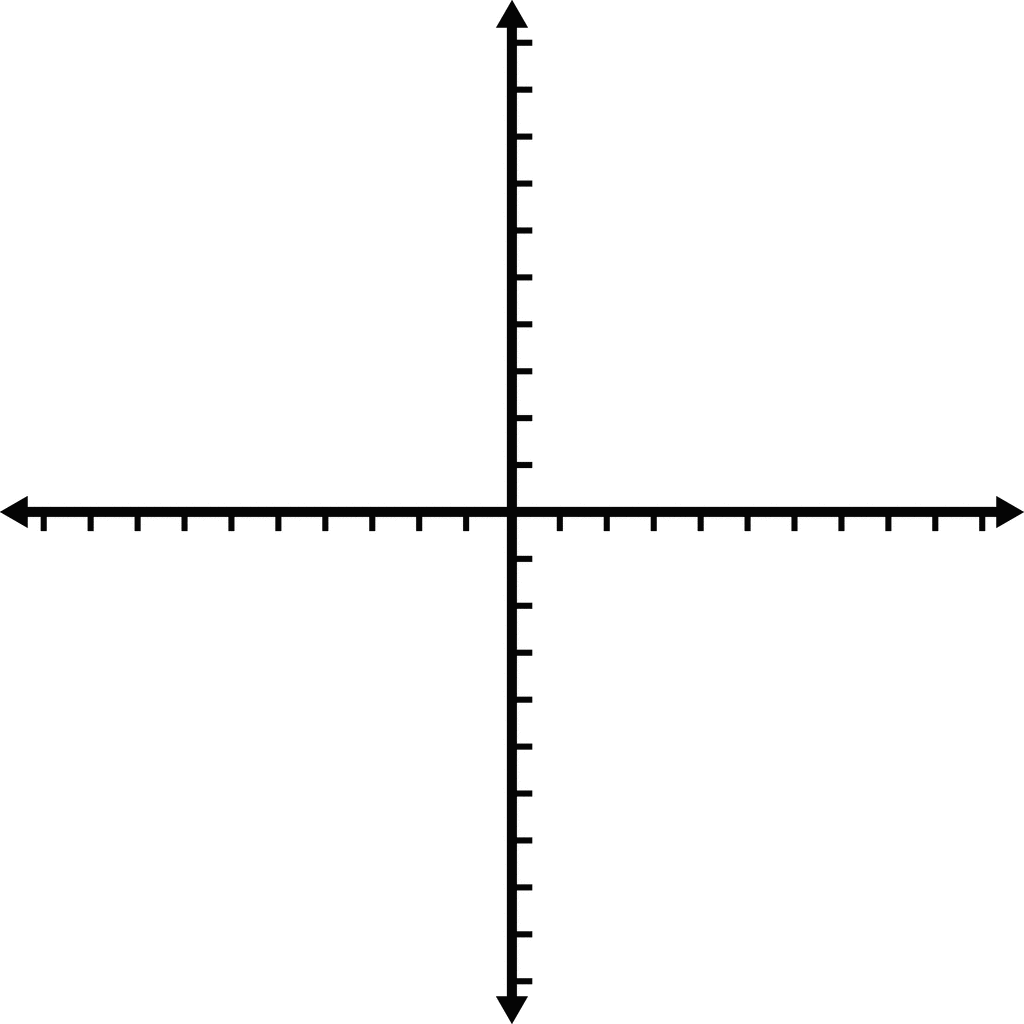


y = 2x – 3 y = –2x – 3



y = 2x y = –2x



y = 3 y = –3

**EXAMPLE:** Use slope and y-intercept to write a linear equation.

Write an equation of a line in slope-intercept form using the given information:

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**EXAMPLE:** Write the slope (m) and y-intercept (b) for each linear equation.