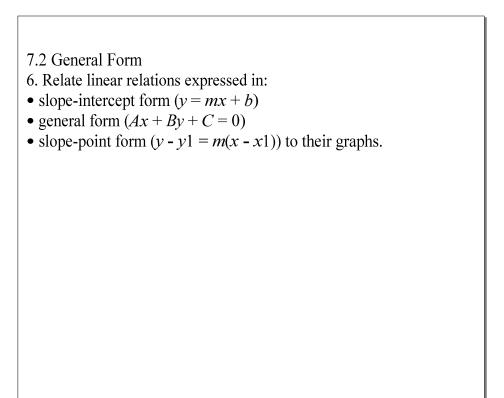
Oct 25-1:32 PM



## general form

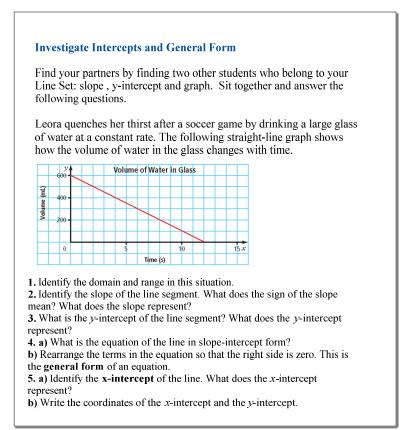
• the equation of a line in the form Ax + By + C = 0, where A, B, and C are **Integers**, and A and B are not both zero. By convention, A is a whole number. This means that A will always be positive.

## x-intercept

• the *x*-coordinate of the point where a line or curve crosses the *x*-axis

• the value of x when y = 0

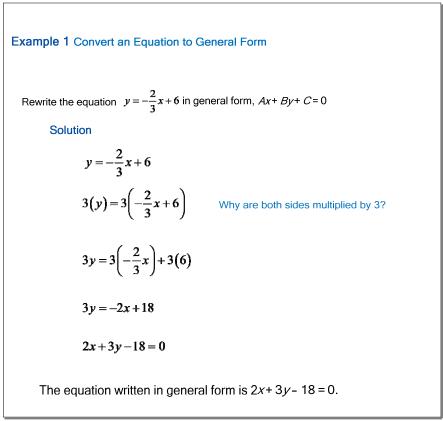
Nov 21-4:04 PM

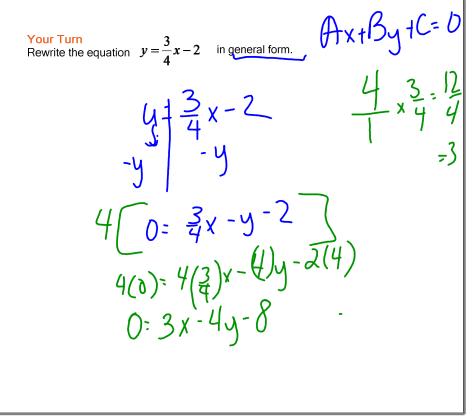


## 7.2 Standard Form.notebook

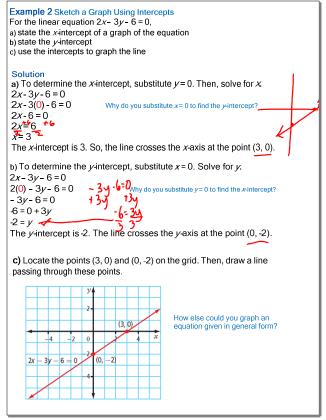
The general form of a linear equation is Ax + By + C = 0, where A, B, and C are real numbers, and A and B are not both zero. The slope-intercept form of a linear equation is y = mx + b, where m represents the slope and b represents the y-intercept. You can convert a linear equation from one form to another by applying the rules of algebra. The x-intercept of a line is the x-coordinate of the point where the line crosses the x-axis. The y-intercept is the y-coordinate of the point where the line crosses the y-axis. To sketch a linear equation, you can draw a line joining the intercepts, (x, 0) and (0, y). The line in the graph below has an x-intercept of 1 and a y-intercept of 2 (0, 2) (1, 0) 2 x 0

Nov 21-4:06 PM

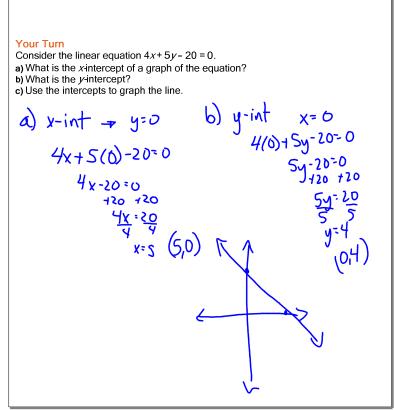




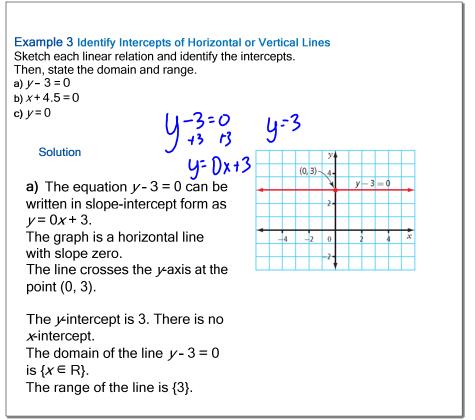
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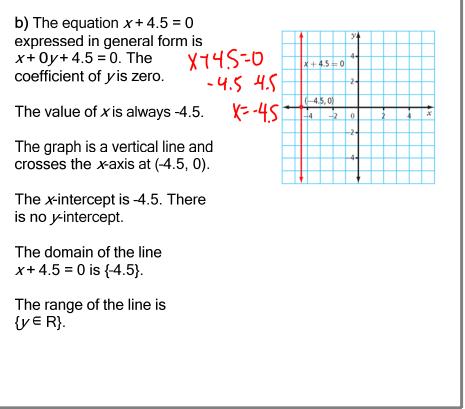


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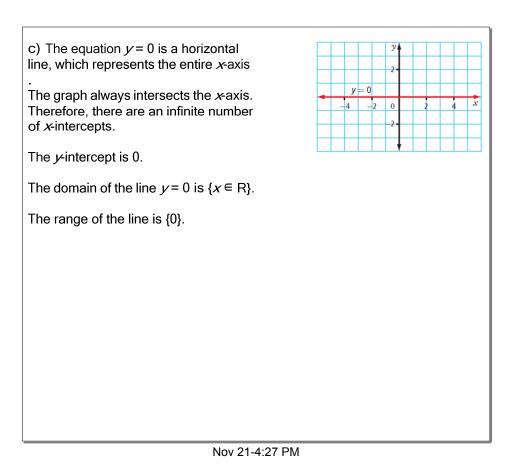


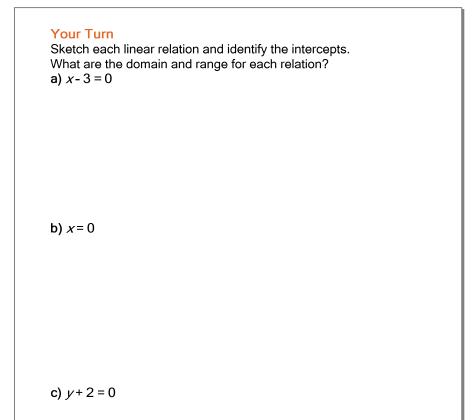
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Nov 21-4:26 PM





Nov 21-4:28 PM

