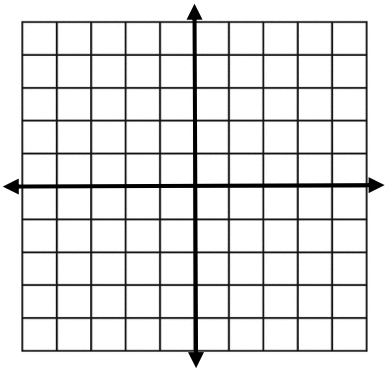
x- & y- Intercepts for Linear Equations



The _____ of a line is the point at which the line _____ _____, where the ___ value _____ _____. To find the _____, substitute _____ into the equation and _____. It is always given in the form, _____.

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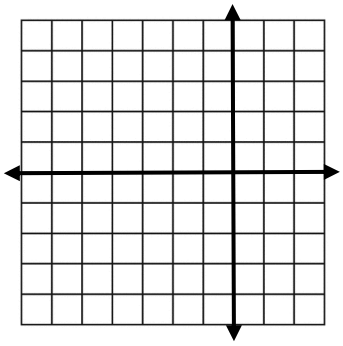
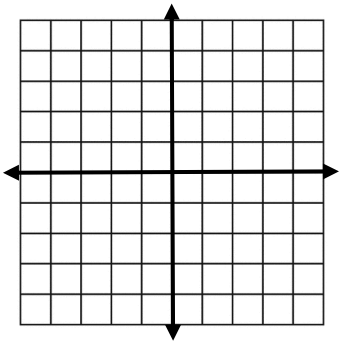
Examples:

Determine the intercepts for each equation. Then use the intercepts to graph the line.

1. $2x - 6y = -12$

2. $5y - 3x = 15$





3. Kaia has $180 to spend on clothes for her upcoming vacation. Her favorite store is having a sale; all tops cost $12 each, and all bottoms cost $18 each. If the given prices include sales tax, how many tops and bottoms can she buy, spending exactly $180? **Write an equation and graph the situation.**