

Algebra 1: 3.2 Guided Notes
Standard Form of a Linear Equation

Name _____ Period _____

Standard Form:

where _____

Standard form of a linear equation makes graphing easy because you use the x - and y -intercepts.

x -intercept - _____

y -intercept - _____

Finding the X- and Y-Intercepts

$$3x + 2y = 12$$

To find the x -intercept:

Steps

Example

To find the y -intercept:

Steps

Example

Practice:

$$5x + 3y = 15$$

$$x + 2y = 18$$

$$3x - y = 9$$

Graphing a Linear Equation in Standard Form

Steps

Recall, $3x + 2y = 12$

x -intercept = $(4, 0)$

y -intercept = $(0, 6)$

