

## Important Announcement

- There will be no assessment on standard form this week!
- So the slope-intercept form quiz is the last quiz!
- We will spend Tuesday and Wednesday reviewing what we learned this nine weeks
- The Benchmark is Thursday (probably)

Find the $x$ and $y$ intercepts from a linear equation in standard form.
Then graph the function.

$$
3 / 5 x+1 / 3 y=3
$$

The $x$-intercept is $5 ;(5,0)$
The $y$-intercept is $9 ;(0,9)$


The school sells pens for $\$ 2.00$ and notebooks for $\$ \mathbf{3 . 0 0}$. You have $\$ 60$ to spend on notebooks and pens.
A. Write an equation for this situation.
B. Find the intercepts.
C. Sketch a graph for the function

The school sells pens for $\$ 2.00$ and notebook for $\$ 3.00$. The equation $2 x+3 y=60$ describe the number of pens $x$ and notebooks $y$ that you can buy for $\mathbf{\$ 6 0}$.

Graph the function and find its intercepts.

x-intercept: 30; y-intercept:

x-intercept: 30 . This is the number of pens that can be purchased if no notebooks purchased.
$y$-intercept: 20. This is the number of notebooks that can be purchased if no pens are purchased.

## Check Homework

Find the $\mathbf{x}$ and y intercepts from a linear equation in standard form.
Then graph the function.

$$
9 x-18 y=36
$$

The $x$-intercept is $4 ;(4,0)$
The $y$-intercept is $-2 ;(0,-2)$
***Early finishers: try to find MORE points that work besides the intercepts!!!***

Find the $x$ and $y$ intercepts from a linear equation in standard form. Then graph the function.

$$
4 y-2 x=0
$$

The $x$-intercept is $0 ;(0,0)$
The $y$-intercept is $0 ;(0,0)$


1. Change it into standard form
2. Find the intercepts
3. Graph the function.

$$
-2 y=-3 x+6
$$

The $x$-intercept is $2 ;(2,0)$
The $y$-intercept is $-3 ;(0,-3)$


1. Change it into standard form
2. Find the intercepts
3. Graph the function.

$$
3 x-5+y=2 y-4
$$

The $x$-intercept is $1 / 3 ;(1 / 3,0)$
The $y$-intercept is $-1 ;(0,-1)$


Graph Each.
$\cdot y=4 x+5$
$\cdot \mathrm{y}=4$

- $4 x+y=8$

Interpret the intercepts.


## Homework

- Review: Equations and Inequalities

