#### (Grab Warm Ups & Ch.4 NOTES)

Week 8

1. Decide whether the given ordered pair is a solution of the equation.

Warm up

(-4, 8)

a) -5x - 8y = 7-5(-3)-8(1)+7 ×9 15-8=7 7=7

b) y = -4

2. Rewrite the equation in function form and find three different ordered pairs that are solutions of the equation. (Hint: make a table of values!)

#### **Homework Questions?**

On the top of your paper (by your name) rate yourself for this section:

- 4 I can summarize the concepts and explain it to others
- 3 I can apply the concept to answer questions correctly
- 2 I can apply the concepts but with some mistakes
- 1 I need help and know how to apply the concept
- 0 I can't apply the concept, even with help

\*Rating of 0-2 is a warning signal to me that you need help\*

# Ch.3 TEST Out of 65 points

\*If you got 42 or lower, you NEED to RETAKE

A - 58.5

\*RETAKES are Due FRIDAY

B - 52

POL: Circle the **BOLD** # you got wrong on the test

C - 45.5

(problems underneath are

your review)

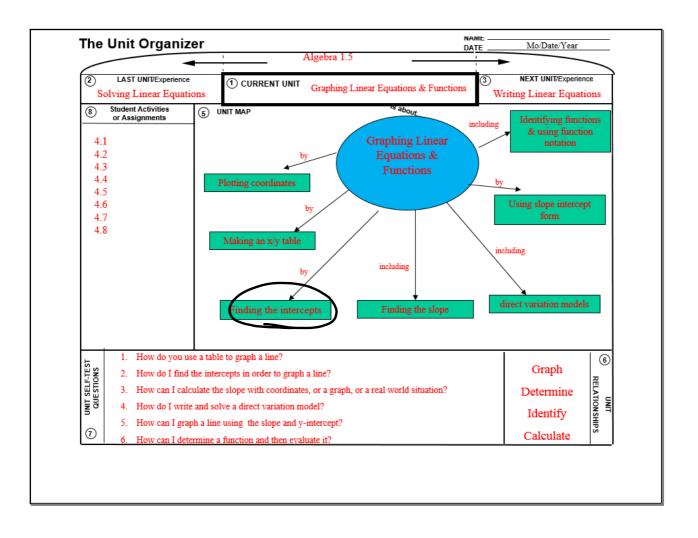
\*I NEED ALL TESTS BACK

## 4.3 Quick Graphs Using Intercepts

#### Goals:

- Find the intercepts of the graph of a linear equation.
- Use the intercepts to make a quick graph of a linear equation.

**EQ:** How do you make a quick graph using intercepts?



### **Vocabulary**

### x-intercept:

Where graph crosses the x-axis (X,0) x-inh.

#### y-intercept:

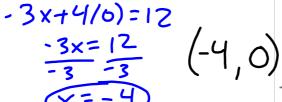
ntercept:
Where graph crosses the y-axis
(0,9)

#### Example 1: Finding Intercepts

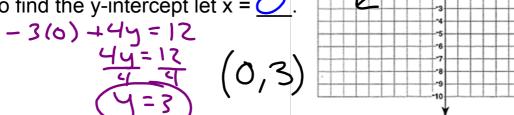
Find the x-intercept and the y-intercept of the graph

of the equation -3x + 4y = 12.









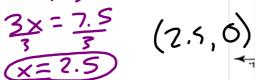
Now plot the two points and connect them to make the graph.

#### Example 2: Making a Quick Graph

Graph the equation 3x + 2.5y = 7.5.

1. To find the x-intercept let  $y = \bigcirc$ .

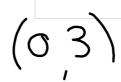
3x+7.5(0)=7.5





3(0) + 7.54 = 7.5

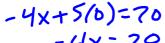




#### Try It

Graph the equation -4x + 5y = 20.

1. To find the x-intercept let  $y = \bigcirc$ .



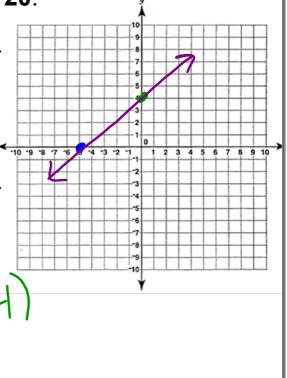
$$-\frac{4x}{-4} = \frac{20}{-4} (-5,0)$$

2. To find the y-intercept let x = 0.

-410)+54=20

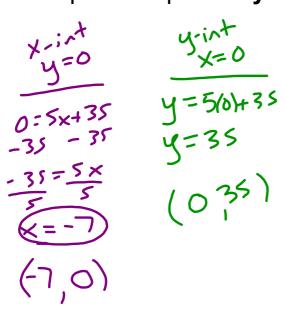


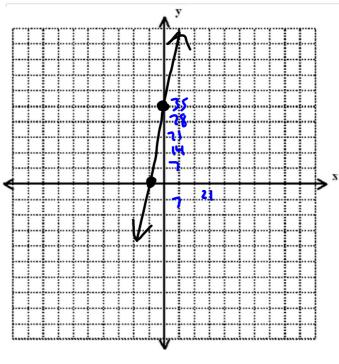




## Example 3: Drawing Appropriate Scales

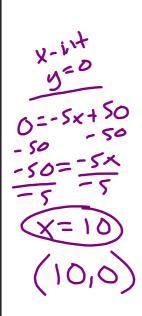
Graph the equation y = 5x + 35.

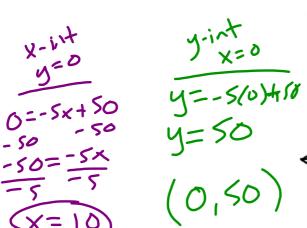


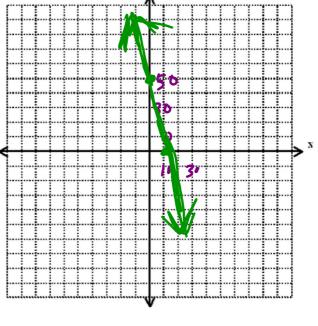




**Try It** Graph the equation y = -5x + 50.







# **Summary**

**EQ:** How do you make a quick graph using intercepts?

## 4.3 Homework

Axis Graphing wkst

SHOW WORK ON SEPARATE SHEET