

Algebra 2

Topic 2 // Lesson 1

Name:

Date:

Period: 0 1 2 3 4 5 6

Goal:

Questions:

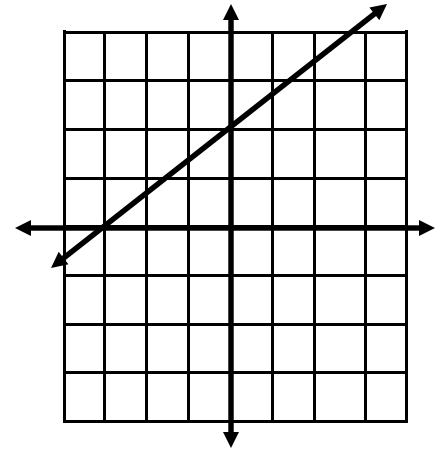
1.) What is a x –intercept?

2.) What is a y –intercept?

Find:

3.) Find the x—intercept of the line on the right.

4.) Find the y—intercept of the line on the right.



Findings:

5.) When you are looking for the **x –intercept**, what is the y– value every time?

y =

6.) When you are looking for the **y –intercept**, what is the x– value every time?

x =

Test Questions:

1. What is the y-intercept of the line $y = 3x + 7$?

- A.) (0,7) B.) (7,0) C.) (3,0) D.) (0,3)

2. What is the x-intercept of the line $y = 3x + 7$?

- A.) (0,7) B.) (7/3 ,0) C.) (3,0) D.) (0,3/7)

How to find the x-intercepts and y-intercepts

Example 1: $y = 3x + 4$

Example 2: $2x + 4y = 6$

Exercises: Find the x-intercepts and y-intercepts

1.) $y = 3x + 12$

2.) $y = 5x + 10$

3.) $y = 1/2x + 4$

Exercises: Find the x-intercepts and y-intercepts

4.) $2x + 4y = 8$

5.) $3x + 6y = 90$

6.) $4x + 5y = 15$