Math Videos on Slope, Y-Intercept and Slope-Intercept Form:

SLOPE VIDEOS

Types of Slope (positive, negative, zero, undefined) (Time: 3:20)
https://www.youtube.com/watch?v=SD8Vb8A-kKE

Types of Slope (Slope Dude) (Time: 2:12)
https://www.youtube.com/watch?v=ZcSrJPiQvHQ

Find Slope Given a Line (Example 1): (Time: 1:33)
https://www.youtube.com/watch?v=8XtrOWpGez0

Example 2: (Time: 1:45)
https://www.youtube.com/watch?v=c-iK1SCCINc

Still having trouble finding slope from a graph? (Try this video) (Time: 4:39) :
https://www.youtube.com/watch?v=R948Tsyq4vA

Find Slope Given two Points (Graph & formula) (Time: 4:05)
https://www.youtube.com/watch?v=2kMUk_XRvRQ

Slope Formula (6:26) (YOU NEED TO MEMORIZE)
https://www.youtube.com/watch?v=_f_EcNNhXjI

After watching the videos, try "Slope Practice Problems"

Y-intercept

X & Y Intercepts (focus on Y-intercept) (Time: 5:39)
https://www.youtube.com/watch?v=wPs0tjl8Vpg

After watching the video, try "Y-Intercept Practice Problems"

Slope-Intercept Form:

Slope-Intercept Form (3:32)
https://www.youtube.com/watch?v=2DomGn4ZhiM

Slope- Intercept Form (GREAT VIDEO) (Ms. D's loves him) (Time: 5:16)
https://www.youtube.com/watch?v=u3spOO-m_Gg

Slope-Intercept Form: (After example 1, try to do Example 2 by yourself, and then check with the video) (Time: 6:07)
https://www.youtube.com/watch?v=-Kk_NfgZALI

After watching the videos, try "Slope-Intercept Practice Problems"

Graphing Linear Equations:

How to Graph Linear Equations (6:07)
https://www.youtube.com/watch?v=miG-JhttnZo

How to Graph Linear Equations #2 (5:24)
https://www.youtube.com/watch?v=F--060tUEk0

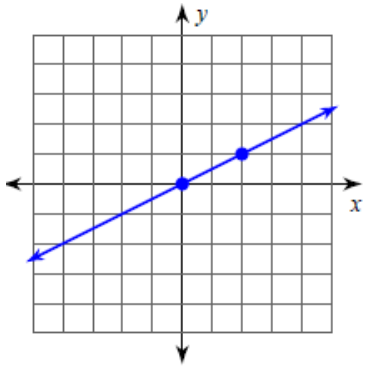
Graphs of Linear Equations Using Intercepts (9:09)
https://www.youtube.com/watch?v=x55mt4FetFY

After watching the videos, try "Graphing Practice Problems." After getting those checked, proceed to "Intersection Practice"

Slope Practice Problems:

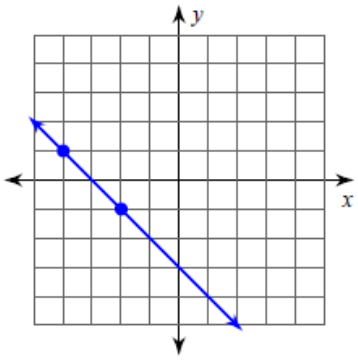
Find the slope of each graph:

1.)



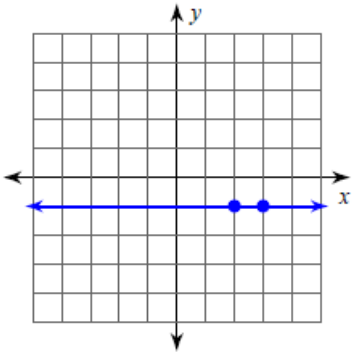
Slope: _____

2.)



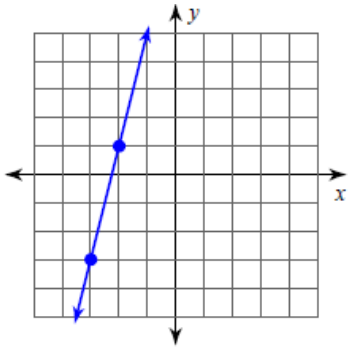
Slope: _____

3.)



Slope: _____

4.)



Slope: _____

Find the Slope of a line from the two given points using the slope formula. (SHOW ALL WORK.)

5.) $(-3,-3)\ and\ (7,6)$

Slope: _____

6.) $(2,-4)\ and\ (5,-8)$

Slope:_____

7.) $(9,-4)\ and\ (10,8)$

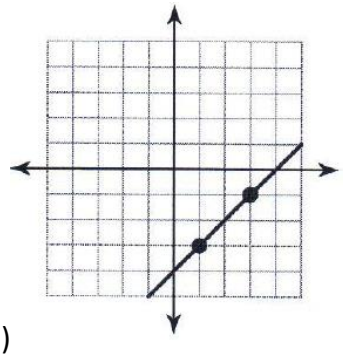
Slope: _____

8.) $(12,-7)\ and\ (5,-7)$

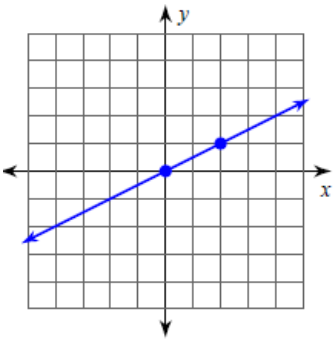
Slope:_____

Y-Intercept Practice Problems:

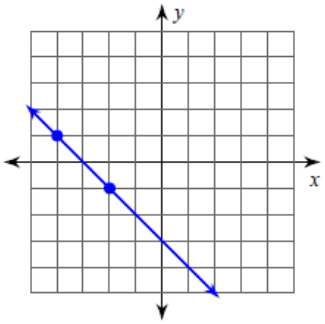
Find the y-intercept of each graph:

1) 

y-intercept : _____

2) 

y-intercept : _____

3) 

y-intercept : _____

Identify the y-intercept in each of the following equations:

4) $y = \frac{3}{4}x + 2$

y-intercept : _____

5) $y = -3x - 8$

y-intercept : _____

6) $y = -4x$

y-intercept : _____

Slope-Intercept Form Practice Problems:

Write the equation of a line in Slope-Intercept Form using the given information.

1) Slope = 3 and passes through (-4,0)

2) Slope = -1 and passes through (3, -1)

3) Slope = -4 and passes through (-2,5)

4) Slope = 7 and passes through (1, 2)

Write the equation of a line in Slope-Intercept Form given two points on the line.

5) through: (0, 3) and (-4, -1)

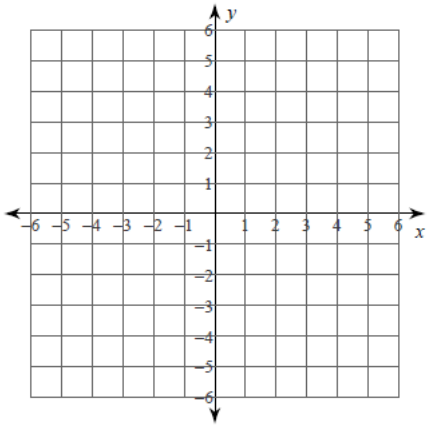
6) through: (-4, 0) and (1, -5)

7) through: (-4, -2) and (-3, 5)

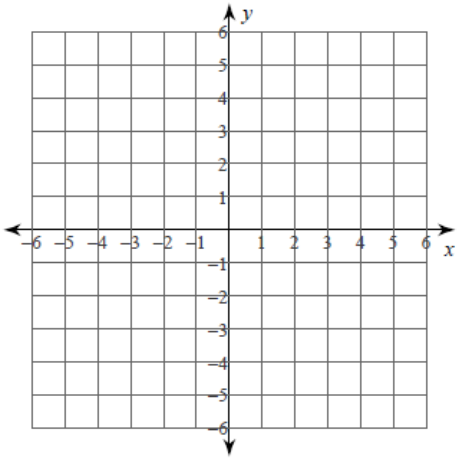
8) through: (-4, 2) and (0, -5)

Graphing Linear Equations Practice Problems:

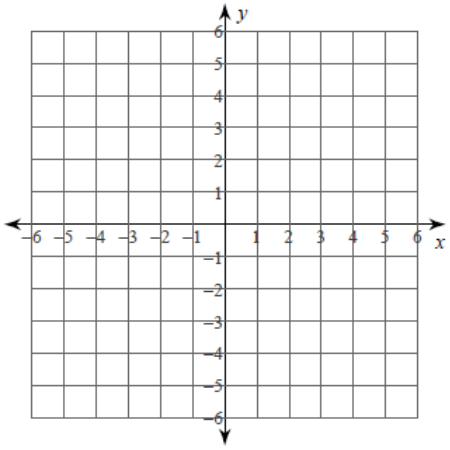
1) $y = \frac{7}{2}x - 2$



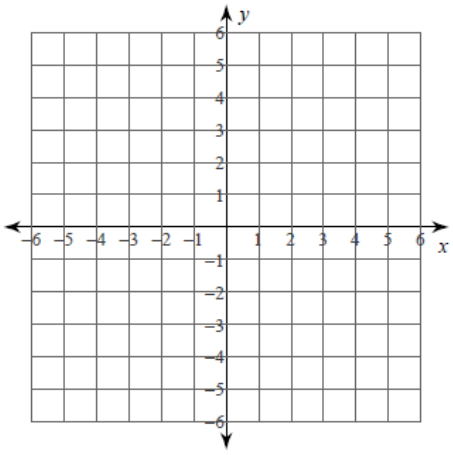
2) $y = -6x + 3$



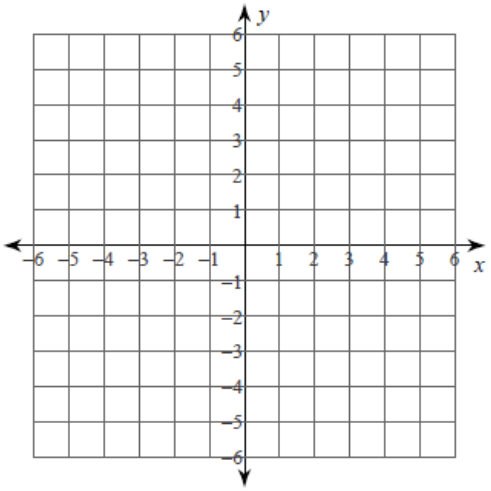
3) $y = -5$



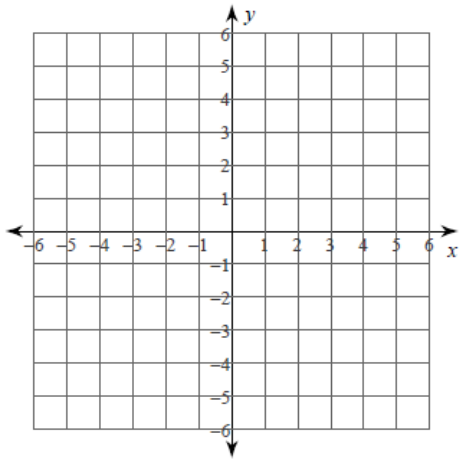
4) $y = \frac{6}{5}x + 1$



5) $y = \frac{1}{4}x + 2$

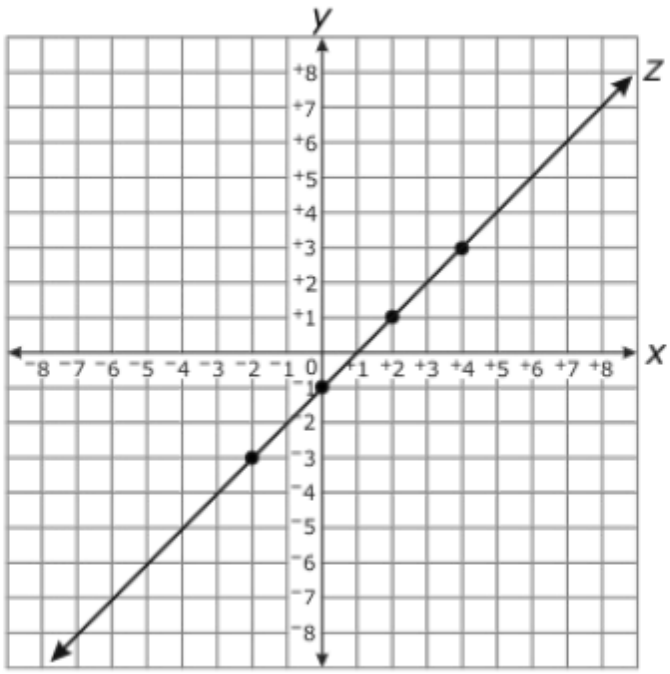


7) $y = \frac{5}{3}x$



Intersection Practice:

Line z is graphed below. Line t will be graphed below. The equation for line t is $y = -2x + 8$.



1) What is the point of intersection of lines z and t?

2) Line p passes through the points $(-4, -2)$ and $(0, 0)$. Line r passes through the points $(-1, -8)$ and $(2, -2)$. What is the point of intersection of lines p and r?

3) A system of equations is shown below.

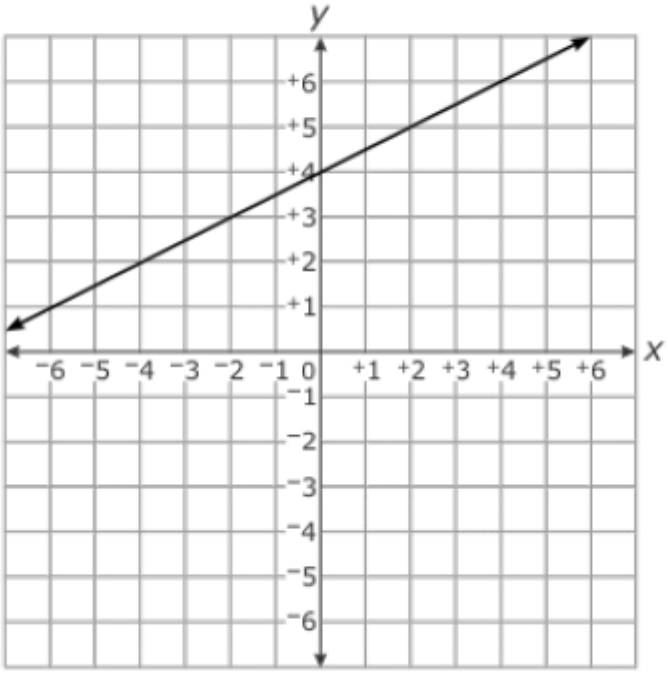
$$y = 2x$$

$$y = \frac{1}{2}x - 3$$

What is the x-value in the solution to the system?

4)

The line of the equation $y = -4x - 5$ will be graphed on the coordinate plane, intersecting the line below.



What will be the point of intersection of the two lines?