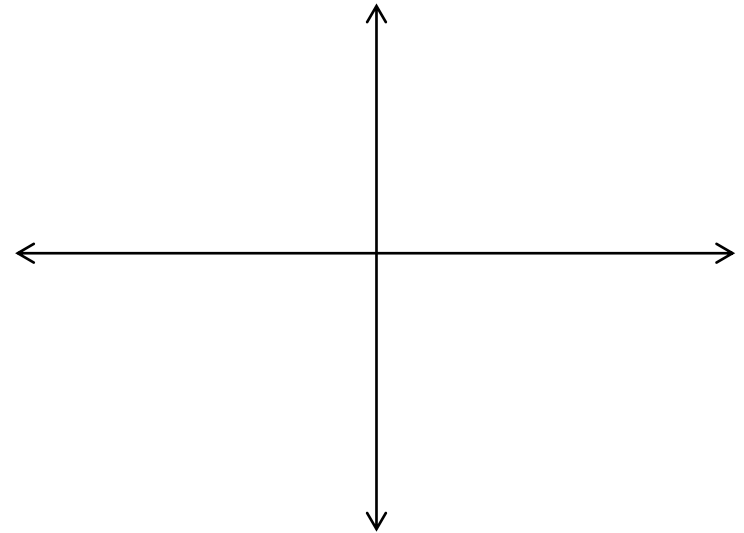


Week 10 Wednesday Course 3 Warm-up

Find the Slope  
(4, 5) (0, -3)



Sketch the points (4, 5) and (0, -3)



Solve an Equation  
Containing Fractions

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

Write number in scientific notation  
0.00325

Simplify Expression  
 $(7x^5)(8x)$

Solve an Equation  
Containing Decimals  
 $0.5t - 3t + 5 = 0$

Solve & Check  
 $11x - 18 = 9x + 30$

# Week 10 Wednesday Course 3 Warm-up

## Find the Slope

$$(4, 5) (0, -3)$$

$$\frac{-3-5}{0-4} = \frac{-8}{-4} = 2$$

Given two points:

$$(x_1, y_1) (x_2, y_2)$$

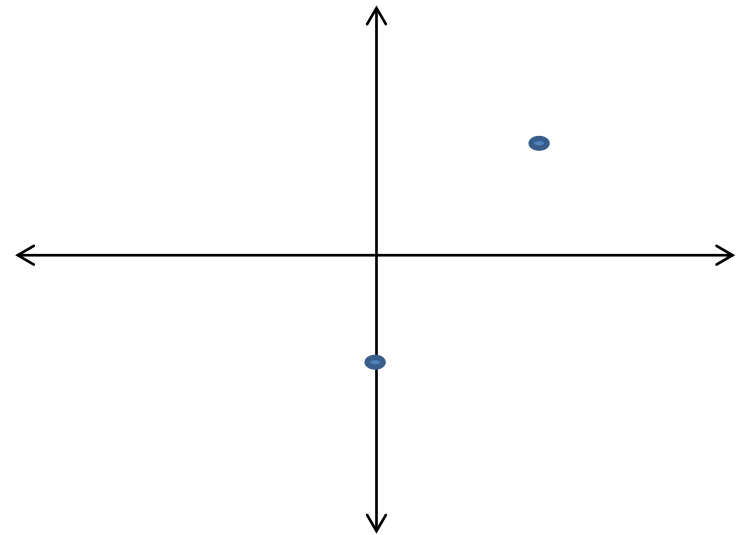
Slope Formula:

$$\frac{y_2 - y_1}{x_2 - x_1}$$

$$x_2 - x_1$$



Sketch the points (4, 5) and (0, -3)



## Solve an Equation Containing Fractions

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

Write number in scientific notation

$$0.00325$$

$$3.25 \times 10^{-3}$$

Simplify Expression

$$(7x^5)(8x)$$

$$56x^6$$

## Solve an Equation Containing Decimals

$$0.5t - 3t + 5 = 0$$

$$t=2$$

Solve & Check

$$11x - 18 = 9x + 30$$

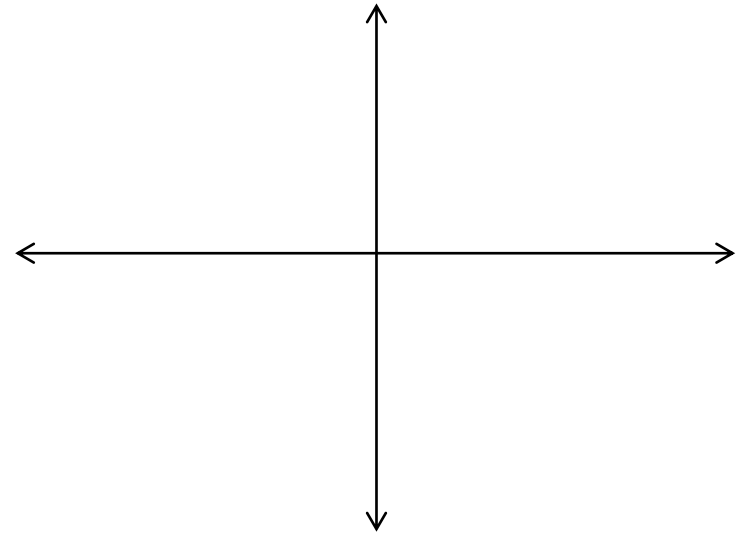
$$X=24$$

Week 10 Thursday Course 3 Warm-up

Find the Slope  
(7, 4) (3, 4)



Sketch the points (7, 4) and (3, 4)



Solve an Equation  
Containing Fractions

$$\frac{a}{15} + \frac{4}{15} = \frac{9}{15}$$

Write number in scientific notation  
8,003,000

Simplify Expression

$$3x^2 \cdot x^2$$

Solve an Equation  
Containing Decimals  
 $4x + 3.6 + x = 1.2$

Solve & Check  
 $14x - 20 = 12x + 40$

Week 10 Thursday Course 3 Warm-up

Find the Slope

(7, 4) (3, 4)

$$\frac{4-4}{3-7} = \frac{0}{-4} = 0$$

Given two points:

$(x_1, y_1)$   $(x_2, y_2)$

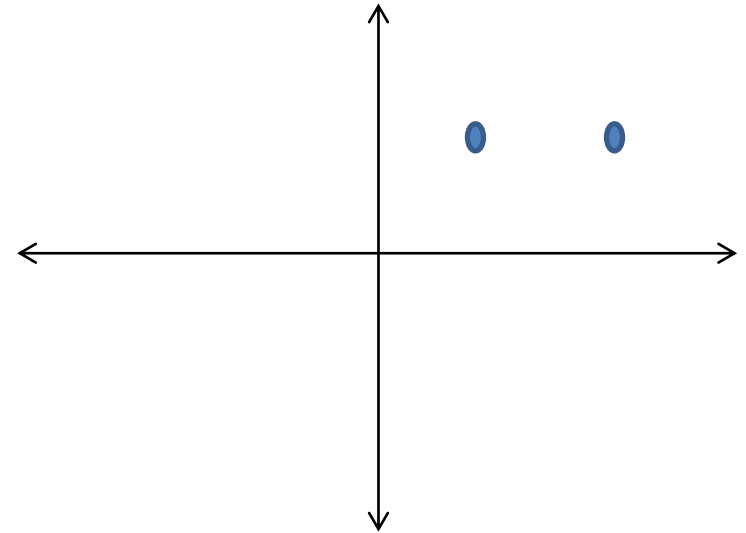
Slope Formula:

$$\frac{y_2 - y_1}{x_2 - x_1}$$

$$x_2 - x_1$$



Sketch the points (7, 4) and (3, 4)



Solve an Equation  
Containing Fractions

$$\frac{a}{15} + \frac{4}{15} = \frac{9}{15}$$

**5**

Write number in scientific notation

8,003,000

**$8.003 \times 10^6$**

Simplify Expression

$$3x^2 \cdot x^2$$

$$3x^4$$

Solve an Equation  
Containing Decimals

$$4x + 3.6 + x = 1.2$$

**-0.48**

Solve & Check

$$14x - 20 = 12x + 40$$

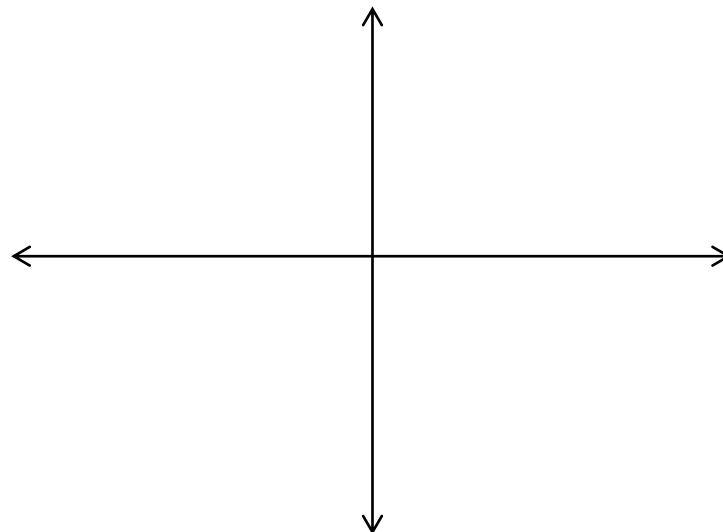
**X=30**

Week 10 Friday Course 3 Warm-up

Find the Slope  
(8, -2) (9, 8)



Sketch the points (8, -2) and (9, 8)



Solve an Equation  
Containing Fractions

$$2 + \frac{a}{-4} = \frac{3}{5}$$

Write number in scientific notation  
0.00092

Simplify Expression  
 $(-2.4n^{-3})(2n^{-1})$

Solve an Equation  
Containing Decimals  
 $2(1.5c + 4) = -1$

Solve & Check  
 $9x - 17 = 10x + 20$

# Week 10 Friday Course 3 Warm-up

## Find the Slope

(8, -2) (9, 8)

$$\frac{8 - (-2)}{9 - 8} = \frac{10}{1} = 10$$

Given two points:

$(x_1, y_1)$   $(x_2, y_2)$

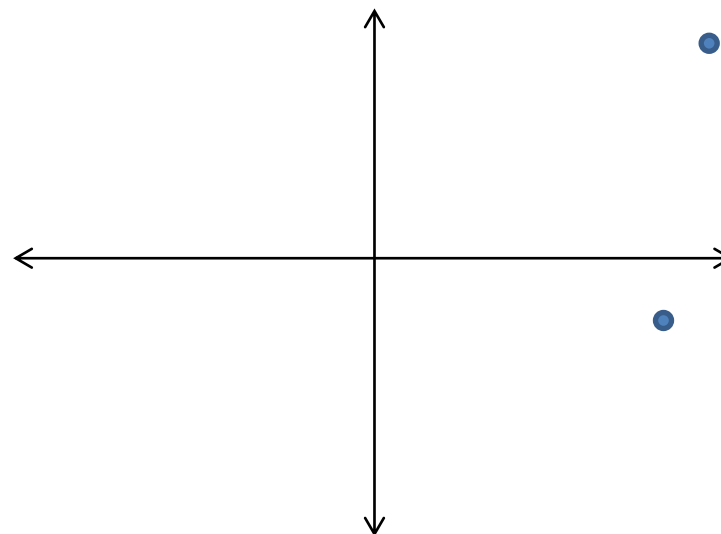
Slope Formula:

$$\frac{y_2 - y_1}{x_2 - x_1}$$

$$x_2 - x_1$$



Sketch the points (8, -2) and (9, 8)



## Solve an Equation Containing Fractions

$$5\frac{3}{8} + \frac{a}{-4} = \frac{3}{5}$$

Write number in scientific notation

0.00092

**$9.2 \times 10^{-4}$**

Simplify Expression

$$(-2.4n^{-3})(2n^{-1})$$

$$-4.8n^3$$

## Solve an Equation Containing Decimals

$$2(1.5c + 4) = -1$$

**$c = -3$**

## Solve & Check

$$9x - 17 = 10x + 20$$

**$x = -37$**