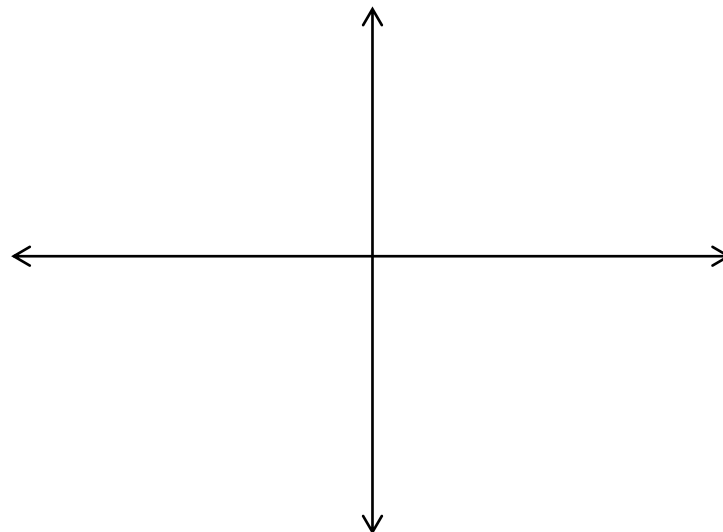


Week 8 Monday Course 3 Warm-up

Find the Slope
(4, -5) (3, -9)



Sketch the points (4, -5) and (3, -9)



Solve an Equation
Containing Fractions

$$\frac{2}{3} + \frac{3k}{4} = \frac{71}{12}$$

Write number in scientific notation
56,900,000

Simplify Expression

$$5^{-2} \cdot 5^3$$

Solve an Equation
Containing Decimals
 $1.06y - 3 = 0.71$

Solve & Check
 $5x - 10 = 2x + 11$

Week 8 Monday Course 3 Warm-up

Find the Slope
(4, -5) (3, -9)

$$\frac{-9 - (-5)}{3 - 4} = \frac{-4}{-1} = 4$$

Given two points:

(x_1, y_1) (x_2, y_2)

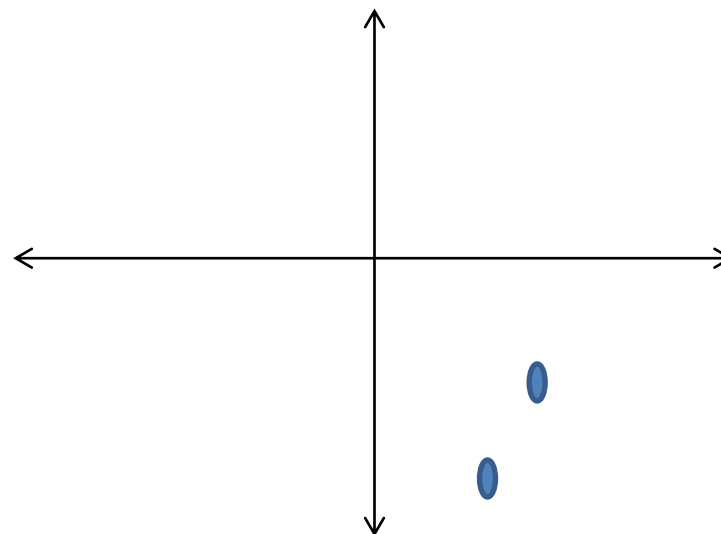
Slope Formula:

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

$$x_2 - x_1$$



Sketch the points (4, -5) and (3, -9)



Solve an Equation
Containing Fractions

$$\frac{2}{3} + \frac{3k}{4} = \frac{71}{12}$$

7

$$5^1 = 5$$

Write number in scientific notation

56,900,000

$$5.69 \times 10^7$$

Simplify
Expression

$$5^{-2} \cdot 5^3 = 5^1 = 5$$

Solve an Equation
Containing Decimals

$$1.06y - 3 = 0.71$$

3.5

Solve & Check

$$5x - 10 = 2x + 11$$

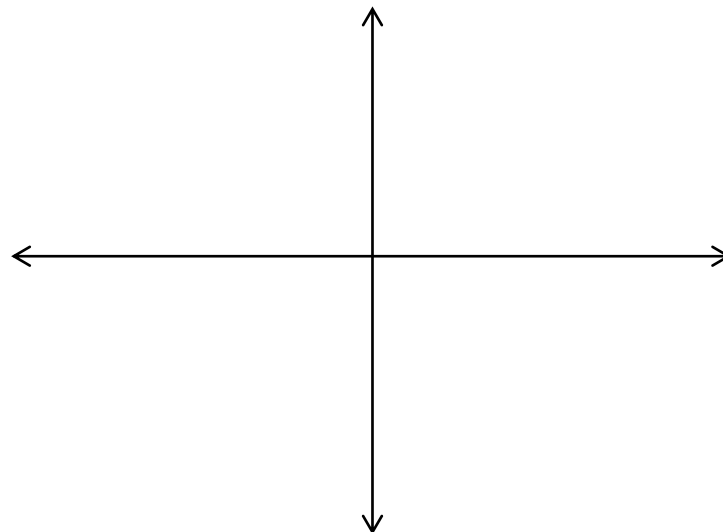
X=7

Week 8 Tuesday Course 3 Warm-up

Find the Slope
(4, -7) (10, -9)



Sketch the points (4, -7) and (10, -9)



Solve an Equation
Containing Fractions

$$\frac{a}{7} - \frac{5}{7} = \frac{6}{7}$$

Write number in scientific notation
0.00985

Simplify Expression

$$5^{-2} \cdot 5^2 =$$

Solve an Equation
Containing Decimals
 $1.12 + 1.25y = 8.62$

Solve & Check
 $7x - 10 = 5x + 12$

Week 8 Tuesday Course 3 Warm-up

Find the Slope
(4, -7) (10, -9)

$$\frac{-9 - (-7)}{10 - 4} = \frac{-2}{6} = \frac{-1}{3}$$

Given two points:

(x_1, y_1) (x_2, y_2)

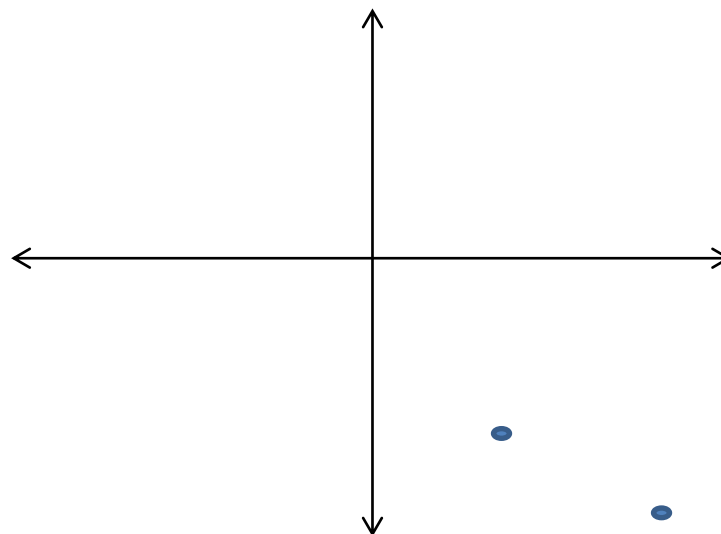
Slope Formula:

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

$$x_2 - x_1$$



Sketch the points (4, -7) and (10, -9)



Solve an Equation
Containing Fractions

$$\frac{a}{7} - \frac{5}{7} = \frac{6}{7}$$

11

Write number in scientific notation

0.00985

$$9.85 \times 10^{-3}$$

Simplify Expression

$$5^{-2} \cdot 5^2 =$$

$$5^0 = 1$$

Solve an Equation
Containing Decimals

$$1.12 + 1.25y = 8.62$$

6

Solve & Check

$$7x - 10 = 5x + 12$$

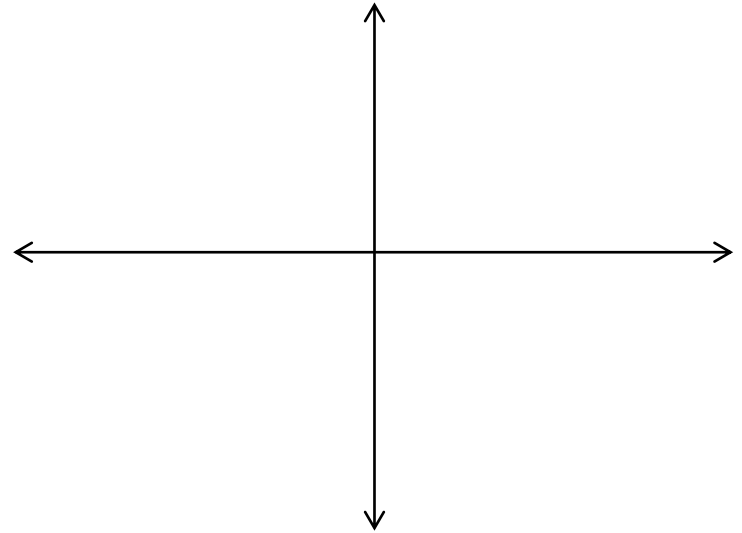
$$X=11$$

Week 8 Wednesday Course 3 Warm-up

Find the Slope
(2, -5) (3, 4)



Sketch the points (2, -5) and (3, 4)



Solve an Equation
Containing Fractions

$$\frac{1}{5} + \frac{3w}{15} = \frac{4}{5}$$

Write number in scientific notation

46,205,000

Simplify Expression

$$a \cdot b \cdot a^5$$

Solve an Equation
Containing Decimals

$$0.11p + 1.5 = 2.49$$

Solve & Check

$$5x - 12 = 3x + 24$$

Week 8 Wednesday Course 3 Warm-up

Find the Slope
(2, -5) (3, 4)

$$\frac{4 - (-5)}{3 - 2} = \frac{9}{1} = 9$$

Given two points:

(x_1, y_1) (x_2, y_2)

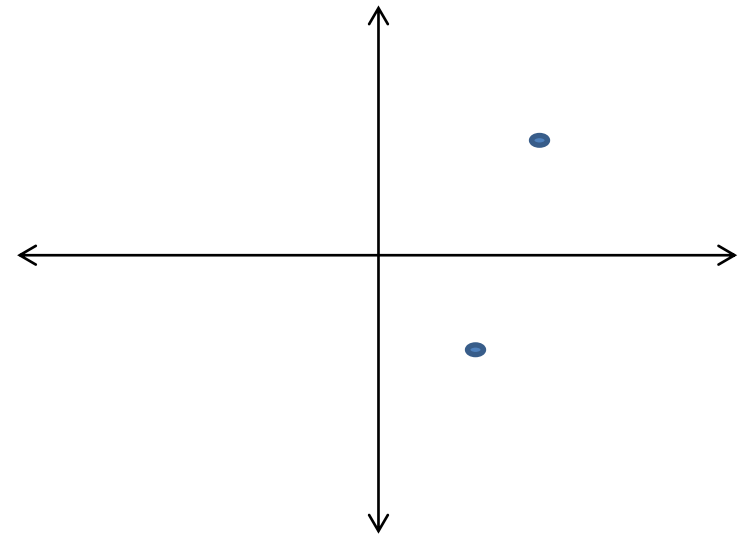
Slope Formula:

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

$$x_2 - x_1$$



Sketch the points (2, -5) and (3, 4)



Solve an Equation
Containing Fractions

$$\frac{1}{5} + \frac{3w}{15} = \frac{4}{5}$$

3

Write number in scientific notation

46,205,000

4.6205×10^7

Simplify Expression

$$a \cdot b \cdot a^5$$

$$a^6 b$$

Solve an Equation
Containing Decimals

$$0.11p + 1.5 = 2.49$$

9

Solve & Check

$$5x - 12 = 3x + 24$$

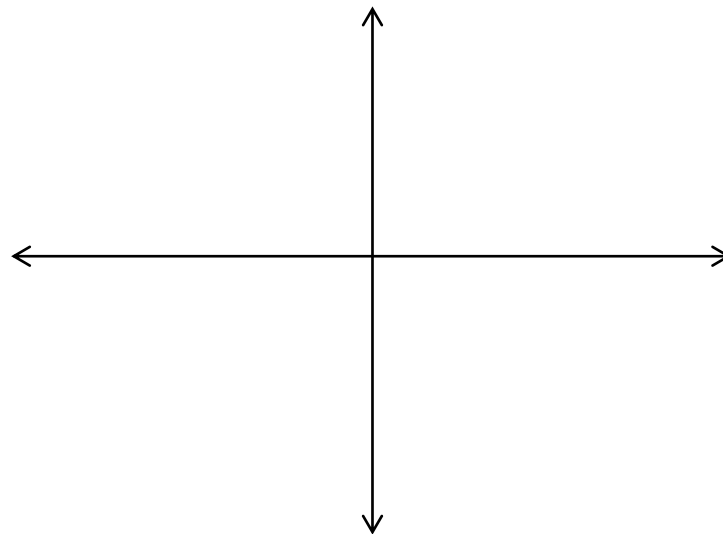
X=18

Week 8 Thursday Course 3 Warm-up

Find the Slope
(7, -2) (8, 4)



Sketch the points (7, -2) and (8, 4)



Solve an Equation
Containing Fractions

$$\frac{9y}{14} + \frac{3}{7} = \frac{9}{14}$$

Write number in scientific notation
267,000

Simplify Expression

$$5^3 \cdot 5^6$$

Solve an Equation
Containing Decimals
 $0.25m + 0.1m = 9.8$

Solve & Check
 $6x - 12 = 4x + 32$

Week 8 Thursday Course 3 Warm-up

Find the Slope
(7, -2) (8, 4)

$$\frac{4 - (-2)}{8 - 7} = \frac{6}{1} = 6$$

Given two points:

(x_1, y_1) (x_2, y_2)

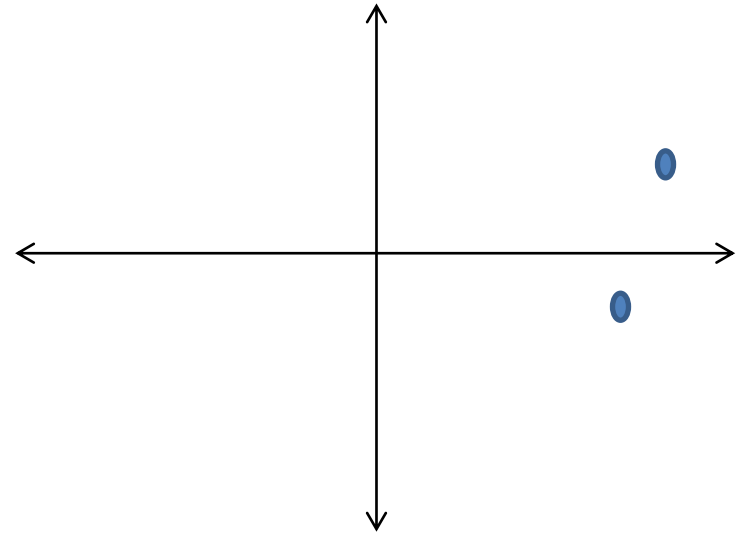
Slope Formula:

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

$$x_2 - x_1$$



Sketch the points (7, -2) and (8, 4)



Solve an Equation
Containing Fractions

$$\frac{9y}{14} + \frac{3}{7} = \frac{9}{14} \quad \frac{1}{3}$$

Write number in scientific notation

$$267,000 \\ 2.67 \times 10^5$$

Simplify Expression

$$5^3 \cdot 5^6 \\ 5^9$$

Solve an Equation
Containing Decimals

$$0.25m + 0.1m = 9.8 \\ 28$$

Solve & Check

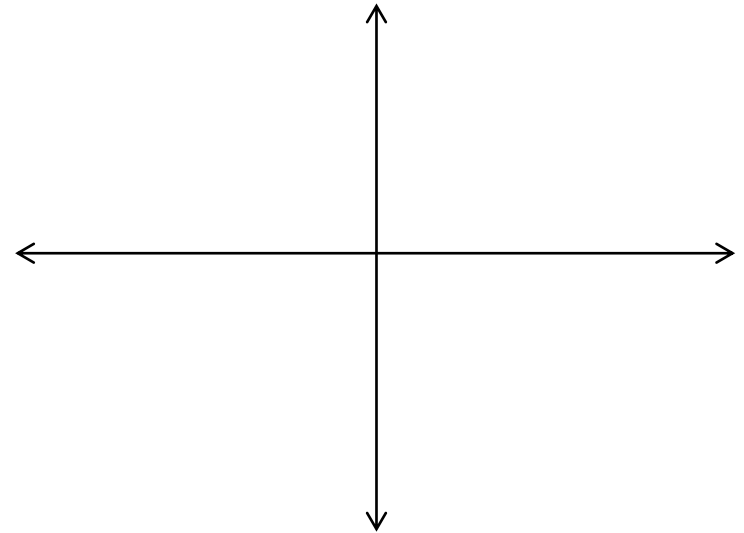
$$6x - 12 = 4x + 32 \\ X=22$$

Week 8 Friday Course 3 Warm-up

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



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



Solve an Equation
Containing Fractions

$$4 + \frac{m}{8} = \frac{3}{4}$$

Write number in scientific notation
0.0000325

Simplify Expression

$$7^{-3} \cdot 7^2 \cdot 7^6$$

Solve an Equation
Containing Decimals
 $3m + 4.5m = 15$

Solve & Check
 $2x - 10 = 3x + 13$

Week 8 Friday Course 3 Warm-up

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

$$\frac{4 - (-5)}{3 - 4} = \frac{9}{-1} = -9$$

Given two points:

(x_1, y_1) (x_2, y_2)

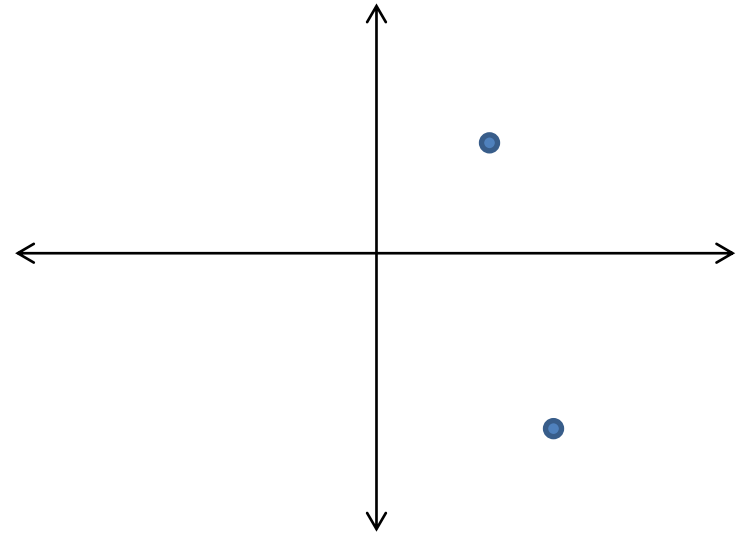
Slope Formula:

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

$$x_2 - x_1$$



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



Solve an Equation
Containing Fractions

$$4 + \frac{m}{8} = \frac{3}{4}$$

-26

Write number in scientific notation

0.0000325

3.25×10^{-5}

Simplify Expression

$$7^{-3} \cdot 7^2 \cdot 7^6$$

$$7^5$$

Solve an Equation
Containing Decimals

$$3m + 4.5m = 15$$

2

Solve & Check

$$2x - 10 = 3x + 13$$

X=-23