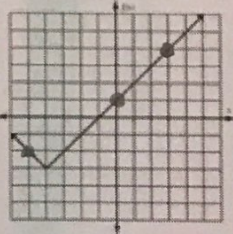


Warm up #5

Function Notation

Use for #3



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Date:

Type warm-up problems here. (Use textboxes for text and equation editor for equations)

1. Find the range of the function $f(x) = \frac{1}{4}x + 1$ if the domain is $\{-8, -4, 0\}$.

$$\text{Range } \{ -1, 0, 1 \}$$

2. Given $f(x) = 5x - 3$, if $f(x) = -48$, find x .

$$-48 = 5x - 3$$

$$\frac{-45}{-5} = \frac{5x}{-5}$$

$$x = -9$$

$$f(-9) = -48$$

$$(-9, -48)$$

3. Using the graph to the left, find each value.

a. $f(-5) = -2$

b. $f(0) = 1$

c. $f(3) = 4$

Domain		Range
x	$\frac{1}{4}x + 1$	f(x)
-8	$\frac{1}{4}(-8) + 1$	-1
-4	$\frac{1}{4}(-4) + 1$	0
0	$\frac{1}{4}(0) + 1$	1

Warm up #6

Systems of Equations

1. $(-2, -1)$

2. $(1, -2)$

3. $(3, 3)$

Date:

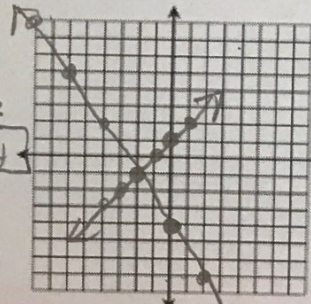
Solve each System using the method stated:

Solve using Graphing:

$$1. \begin{cases} 3x + 2y = -8 \\ x - y = -1 \end{cases}$$

$$\frac{2y = -3x - 8}{2} \rightarrow y = -\frac{3}{2}x - 4$$

$$\frac{-y = -x - 1}{-1} \rightarrow y = x + 1$$



Solve using Substitution:

$$2. \begin{cases} 5x - 6y = 17 \\ x + 3y = -5 \end{cases} \rightarrow x = -3y - 5$$

$$5(-3y - 5) - 6y = 17$$

$$-15y - 25 - 6y = 17$$

$$-21y - 25 = 17$$

$$-21y = 42$$

$$-21 \quad -21$$

$$+y = -2$$

Solve using Elimination:

$$3. \begin{cases} 8x - 2y = 18 \\ 5x - 6y = -3 \end{cases}$$

$$-3(8x - 2y = 18)$$

$$-24x + 6y = -54$$

$$5x - 6y = -3$$

$$\frac{-19x}{-19} = \frac{-57}{-19}$$

$$x = 3$$

$$x = -3y - 5$$

$$x = -3(-2) - 5$$

$$x = 6 - 5$$

$$x = 1$$

$$5x - 6y = -3$$

$$5(3) - 6y = -3$$

$$15 - 6y = -3$$

$$-15 \quad -15$$

$$-6y = -18$$

$$y = 3$$