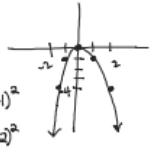


Homework
p 114

21) $y = -x^2$

33) $y = x^2 - 2$

x	y
2	-4
1	-1
0	0
1	-1
2	-4



$-(-1)^2$
 $-(2)^2$

x	y
2	2
1	-1
0	-2
-1	-1
-2	2



15) $(0, \frac{3}{5})$ $(-\frac{1}{2}, -\frac{4}{5})$ not a solution

$$2a + 5b = 3$$

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

$$-1 - 4 = 3$$

$$-5 \neq 3$$

Name: _____
 Period: _____

Warm-up: after 3.1, 3.2: Domain, Range, Graphs

SHOW YOUR WORK as demonstrated in class notes

Solve

1. $-3x+1=4$

$$\begin{array}{r} -1 \\ \hline -3x = 3 \\ \hline x = 1 \end{array}$$

(+1) (+1) (+1)

2. $\frac{x}{-2}+12=8$

$$\begin{array}{r} -2 \\ \hline -12 -12 \\ \hline (-2)x = -4 \\ \hline x = 8 \end{array}$$

(+1) (+1) (+1)

3. $6-x=-12-3x$

$$\begin{array}{r} +3x +3x \\ \hline 6+2x = -12 \\ -6 -6 \\ \hline 2x = -18 \\ \hline x = -9 \end{array}$$

(+1) (+1) (+1)

$$\begin{array}{r} 6-x = -12-3x \\ -6 \quad 6 \\ \hline -x -18 -3x \\ +3x +3x \\ \hline 2x = 18 \\ \hline x = 9 \end{array}$$

4. Write the definition for each

a) Domain: possible x values

b) Range: possible y values

5. Find the domain and range: $\{(0, 5), (2, 7), (4, 9)\}$

D: $\{0, 2, 4\}$

R: $\{5, 7, 9\}$

6. Find the domain and range:

x	2	7	10	7	6
y	10	8	0	9	2

D: $\{2, 7, 10, 6\}$

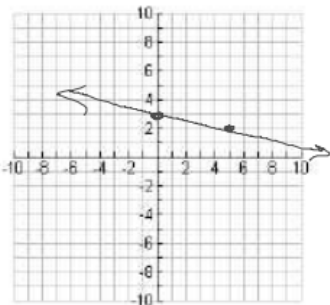
R: $\{10, 8, 0, 9, 2\}$

Graph.

7. $y = -\frac{1}{5}x + 3$

$m = -\frac{1}{5}$

$b = 3$

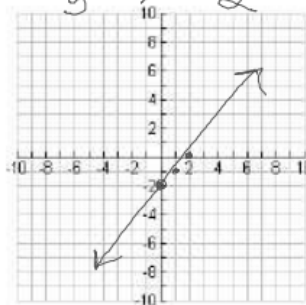


Solve for y and Graph.

8. $3x - 3y = 6$

$$\begin{array}{r} -3x \\ \hline -3y = \frac{3x}{3} + \frac{6}{-3} \\ \hline y = -x - 2 \end{array}$$

$m = -1$
 $b = -2$



$|3| = 3$ $|-3| = 3$