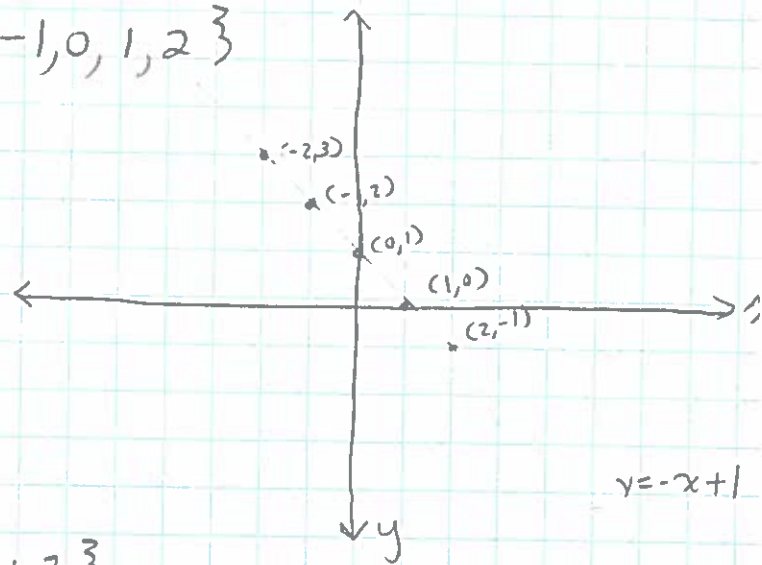


Graph + Identify the range

24.)  $y = -x + 1$  domain  $\{-2, -1, 0, 1, 2\}$

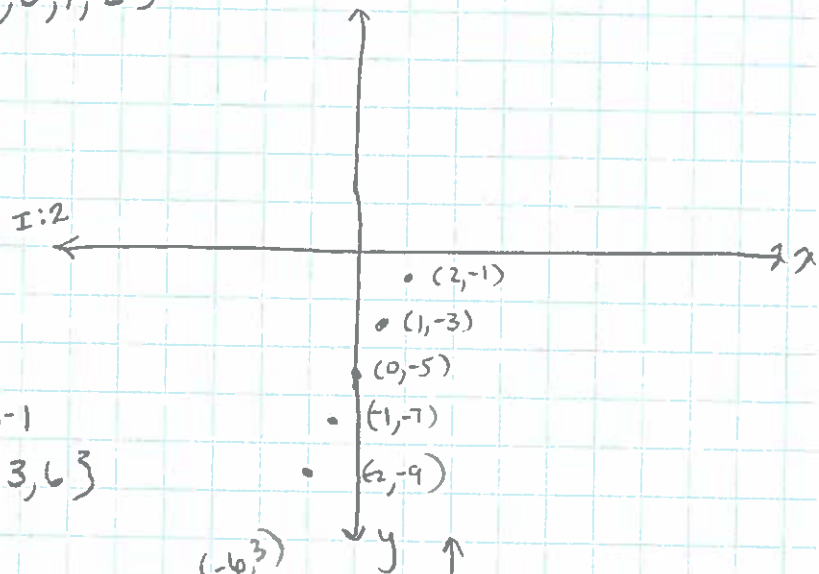
domain	Range	Solution
$x$	$y = -x + 1$	$(x, y)$
-2	$y = -(-2) + 1$	$(-2, 3)$
-1	$y = -(-1) + 1$	$(-1, 2)$
0	$y = -0 + 1$	$(0, 1)$
1	$y = -1 + 1$	$(1, 0)$
2	$y = -2 + 1$	$(2, -1)$

range  $\{3, 2, 1, 0, -1\}$



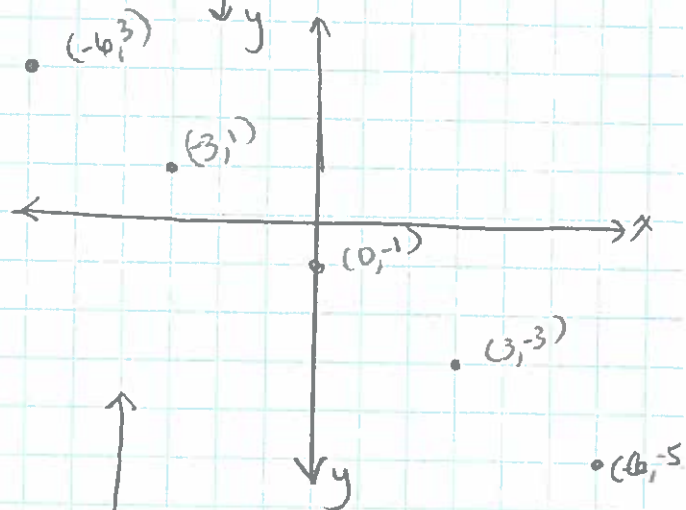
25.)  $y = 2x - 5$  domain  $\{-2, -1, 0, 1, 2\}$

$x$	$y = 2x + (-5)$	$(x, y)$
-2	$y = 2(-2) + (-5)$	$(-2, -9)$
-1	$y = 2(-1) + (-5)$	$(-1, -7)$
0	$y = 2(0) + (-5)$	$(0, -5)$
1	$y = 2(1) + (-5)$	$(1, -3)$
2	$y = 2(2) + (-5)$	$(2, -1)$



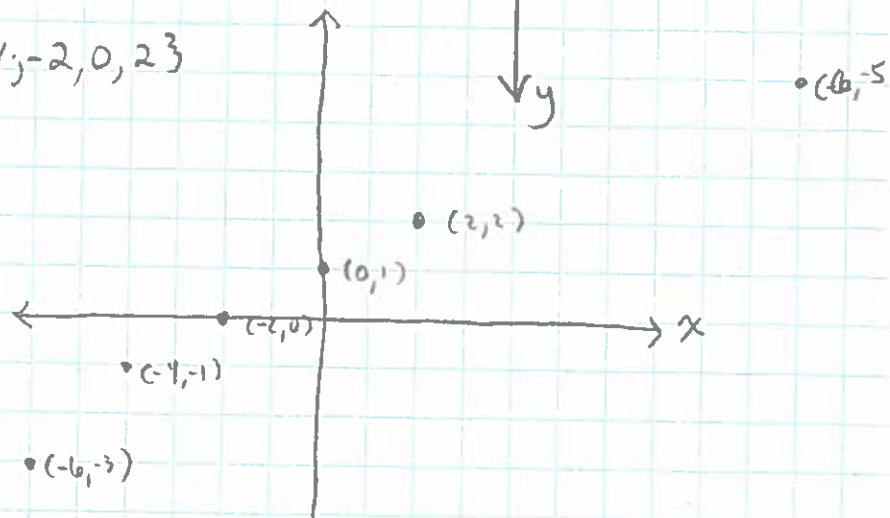
26.)  $y = -\frac{2}{3}x - 1$  domain  $\{-6, -3, 0, 3, 6\}$

$x$	$y = -\frac{2}{3}x + (-1)$	$(x, y)$
-6	$y = -\frac{2}{3}(-6) + (-1)$	$(-6, 3)$
-3	$y = -\frac{2}{3}(-3) + (-1)$	$(-3, 1)$
0	$y = -\frac{2}{3}(0) + (-1)$	$(0, -1)$
3	$y = -\frac{2}{3}(3) + (-1)$	$(3, -3)$
6	$y = -\frac{2}{3}(6) + (-1)$	$(6, -5)$



27.)  $y = \frac{1}{2}x + 1$  domain  $\{-6, -4, -2, 0, 2\}$

$x$	$y = \frac{1}{2}x + 1$	$(x, y)$
-6	$y = \frac{1}{2}(-6) + 1$	$(-6, -3)$
-4	$y = \frac{1}{2}(-4) + 1$	$(-4, -1)$
-2	$y = \frac{1}{2}(-2) + 1$	$(-2, 0)$
0	$y = \frac{1}{2}(0) + 1$	$(0, 1)$
2	$y = \frac{1}{2}(2) + 1$	$(2, 2)$



range  $\{-3, -1, 0, 1, 2\}$

A #14 pg 209 #1-27

1.)  $(5, -3)$

x-coord 5  
y-coord -3

2.)  $(-, +)$  or  $(+, -)$   
You can't tell  
whether it is II or  
IV quadrant.

3.)  $(3, -2)$  A

4.)  $B(0, -1)$

5.)  $C(4, 4)$

6.)  $D(-4, 3)$

7.)  $E(4, -1)$

8.)  $F(3, 0)$

9.)  $G(-5, 4)$

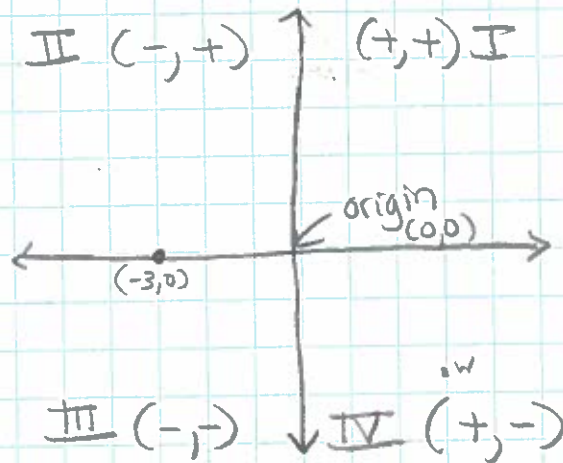
10.)  $H(-3, -2)$

11.)  $J(-4, -1)$

12.)  $K(-1, 2)$

13.) A point is located 3 units to the left of origin and 6 units up.

$(-3, 6)$  **B**  
↓ left  
↓ up



14.)  $P(5, 5)$

$(+, +)$   
Quadrant I

15.)  $Q(-1, 5)$

Quadrant II  
 $(-, +)$

16.)  $R(-3, 0)$

x-axis

17.)  $S(0, 0)$

origin

18.)  $T(-3, -4)$   $(-, -)$

Quadrant III

19.)  $U(0, 6)$

y-axis.

20.)  $V(1.5, 4)$

Quadrant I  $(+, +)$

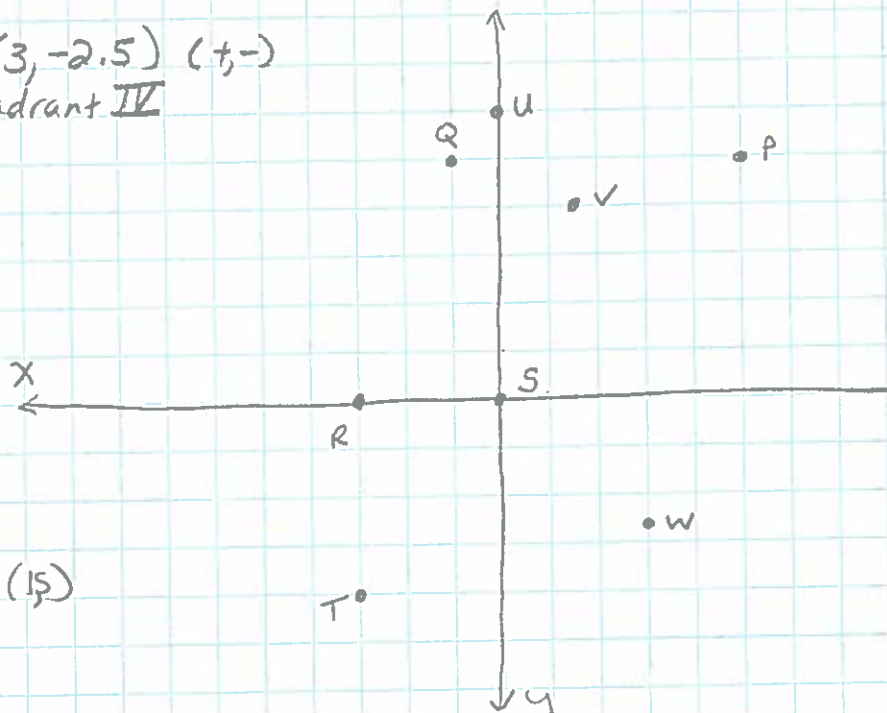
21.)  $W(3, -2.5)$   $(+, -)$

Quadrant IV

22.)  $W(6, -6)$

Right down

The example  
says to do the  
opposite



23.) Range  $\rightarrow$  y-values

points  $(-2, 1)$   $(-3, -3)$   $(-1, 1)$   $(0, 3)$   $(1, 5)$

**B** -1 is a range value