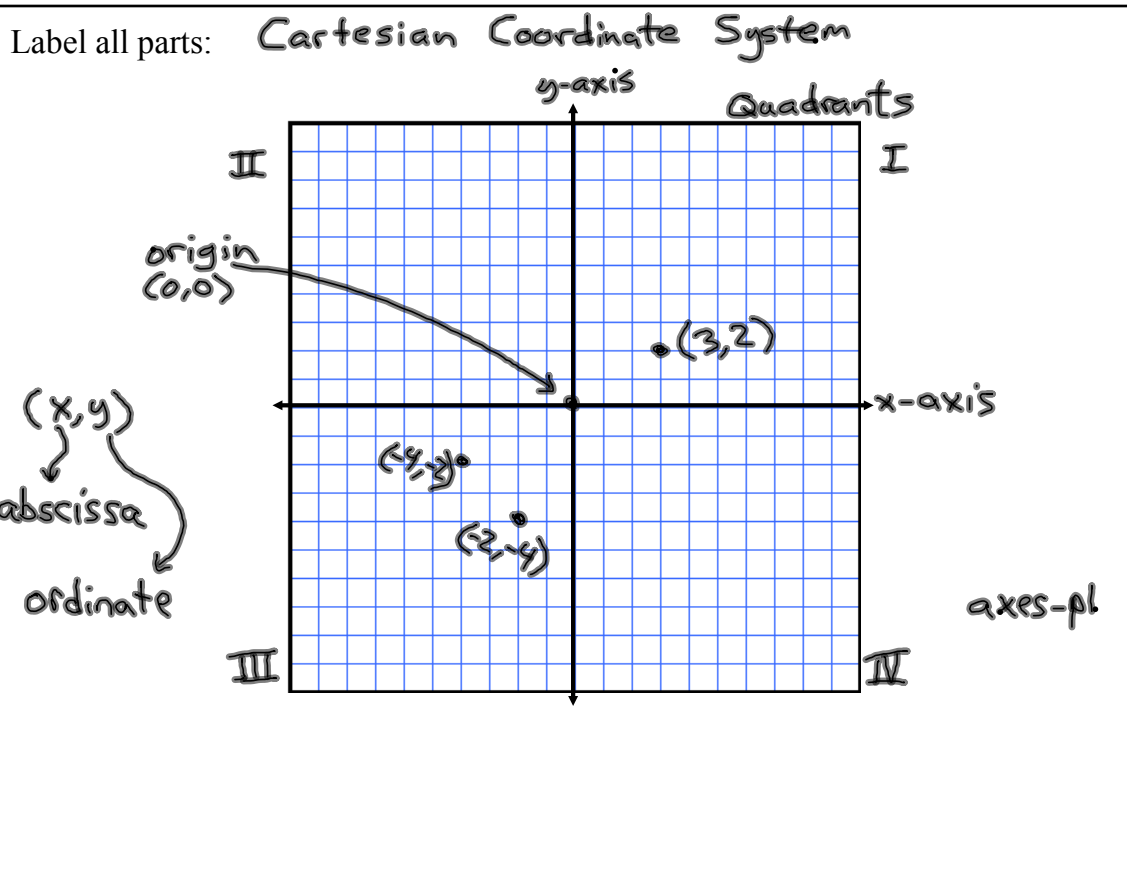


Algebra I

8-2

Points, Lines, and Their Graphs



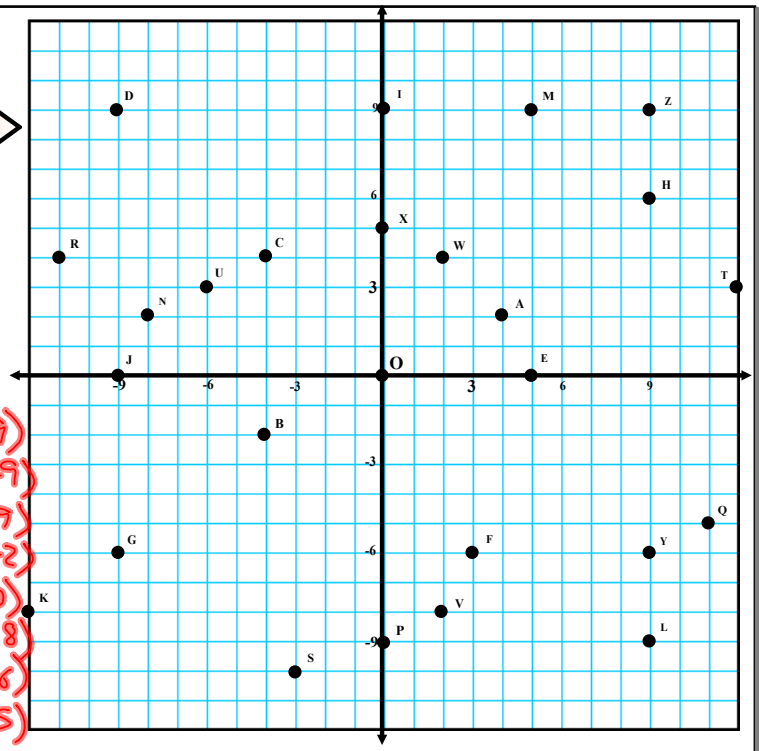
Oral Exercises
pg 356

Name the letter of each point.

- 1) (2,4) W
- 2) (4,2) A
- 3) (-6,3) U
- 4) (3,-6) F
- 5) (9,6) H
- 6) (9,-6) Y
- 7) (0,-9) P
- 8) (-9,0) J
- 9) (0,9) I
- 10) (11,-5) Q
- 12) (-3,-10) S

Give the coordinates of each.

- 13) M (5,9)
- 14) L (9,-9)
- 15) D (-7,9)
- 16) B (-4,-2)
- 17) E (5,0)
- 18) V (2,-8)
- 19) G (-7,-6)
- 20) X (0,5)

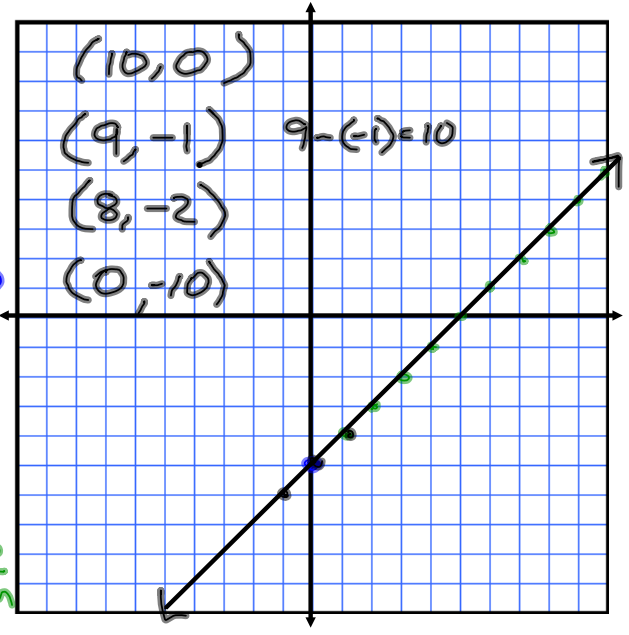


Graph each equation. (pg 357)

25) $x - y = 5$

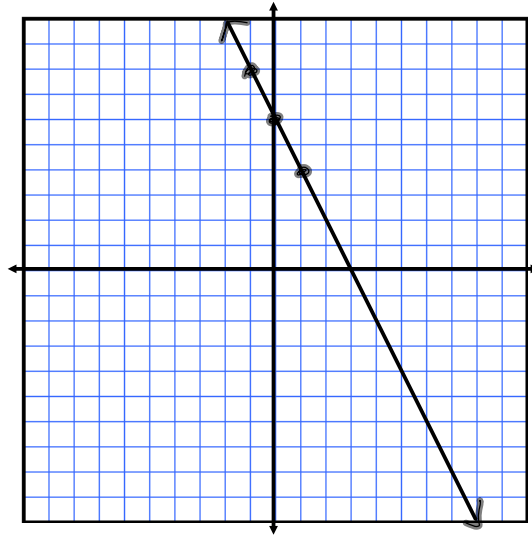
$y = mx + b$
 $x - y = 5$
 $x - x - y = -x + 5$
 $(-1)(-y) = -x + 5$
 $y = 1x - 5$
 $m = 1$
 $b = -5$
 $(0, -5)$
 $m = \frac{1}{1} \frac{\text{rise}}{\text{run}}$

x	y
0	-5
1	-4
-1	-6

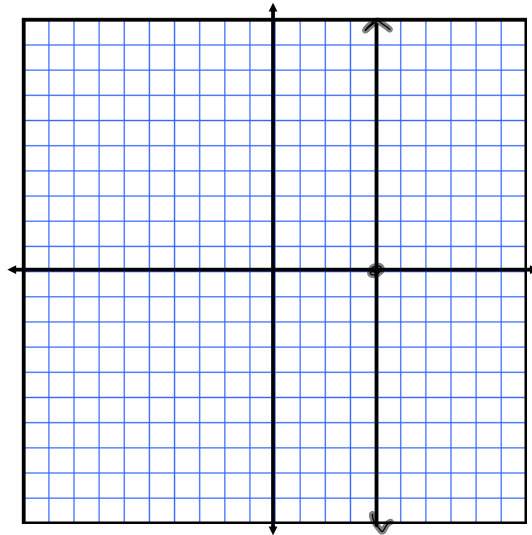


29) $2x + y = 6$

x	y	
0	6	$2(0) + y = 6$
1	4	$2(1) + y = 6$
-1	8	$2(-1) + y = 6$

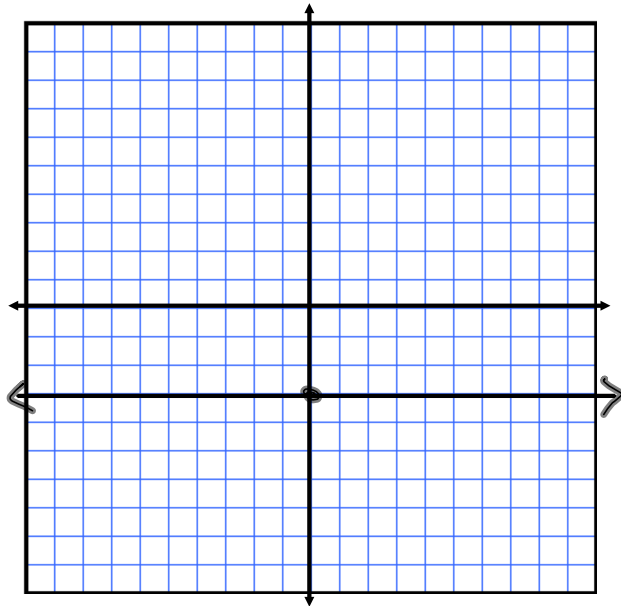


33) $x = 4$
vertical



35) $y = -3$

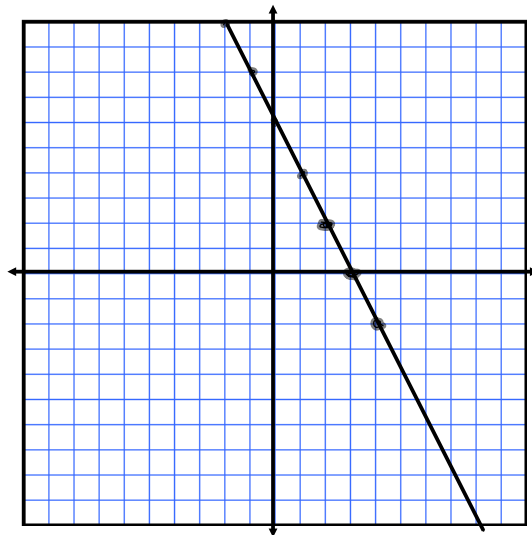
$y =$ horizontal



39) $\left(\frac{1}{3}x + \frac{1}{6}y = 1\right) \times 6$

$2x + 1y = 6$

x	y	
3	0	$3(2) + y = 6$
4	-2	$4(2) + y = 6$
2	2	$2(2) + y = 6$



Pg 357

1-12, all on one graph

13-24, Not on Graphs

26-36 even, 40

one per
graph

8 graphs
total!