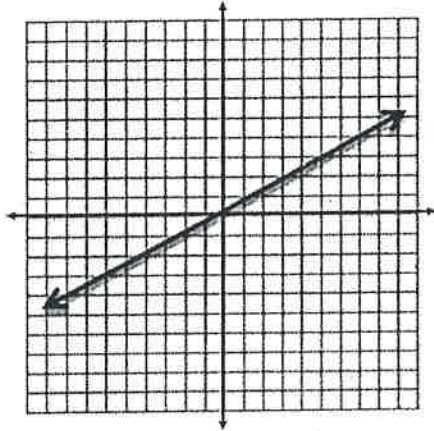


Assignment 6

15 pts.

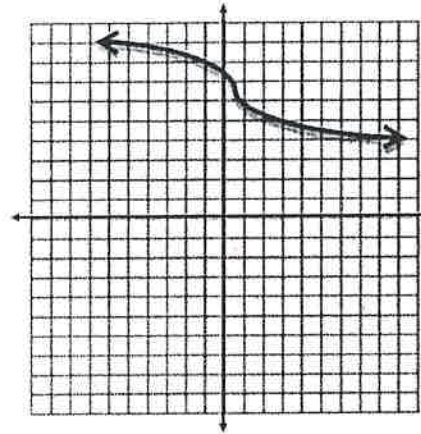
State whether the graph represent direct variation. If not, explain.

1.



yes

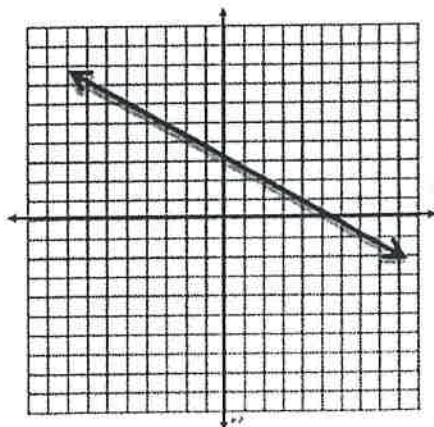
2.



1 pt ea.

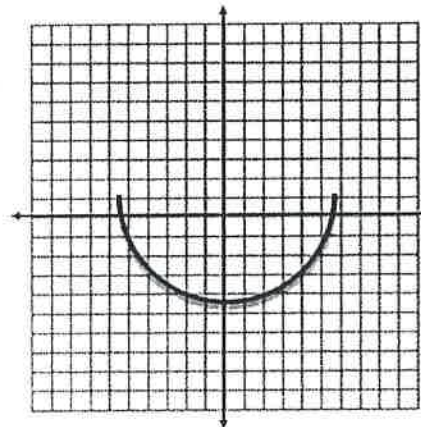
NO - not a straight line and it doesn't go through (0,0)

3.



NO - does not go through (0,0)

4.



The variable x and y vary directly. Use the variable to write an equation and graph the solutions.

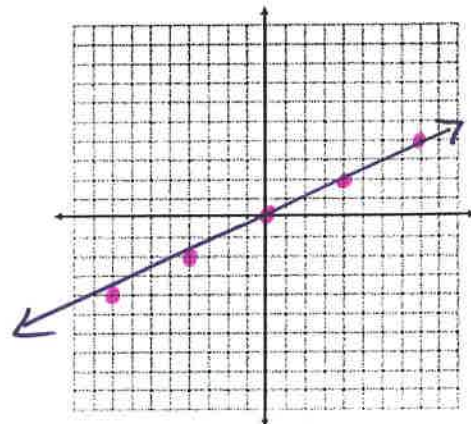
3 pts ea.

5. $y = 4; x = 8$

$y = kx$
 $4 = k(8)$
 $\frac{1}{2} = k$

$y = \frac{1}{2}x$

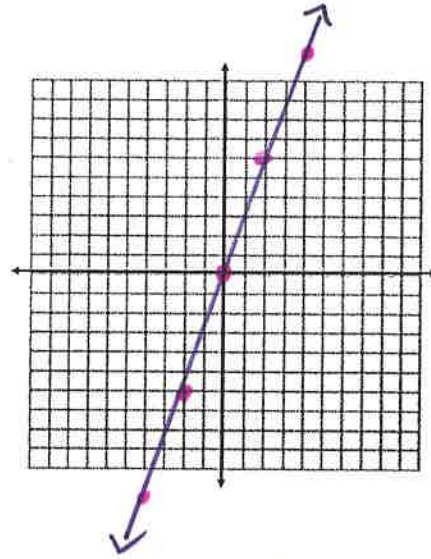
x	y
-8	-4
-4	-2
0	0
4	2
8	4



3 pts ea.

6. $y = 12; x = 4$

x	y
-4	-12
-2	-6
0	0
2	6
4	12



$$y = kx$$

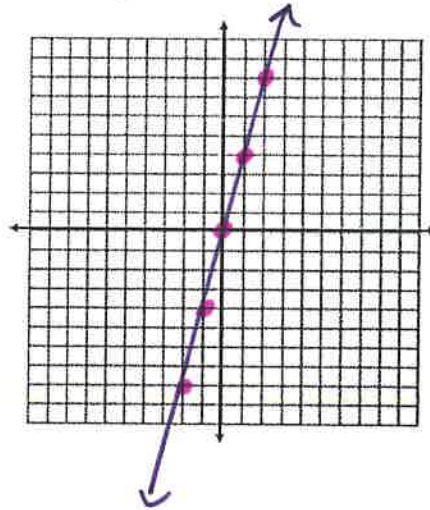
$$12 = k(4)$$

$$3 = k$$

$$y = 3x$$

7. $y = 32; x = 8$

x	y
-2	-8
-1	-4
0	0
1	4
2	8



$$y = kx$$

$$32 = k(8)$$

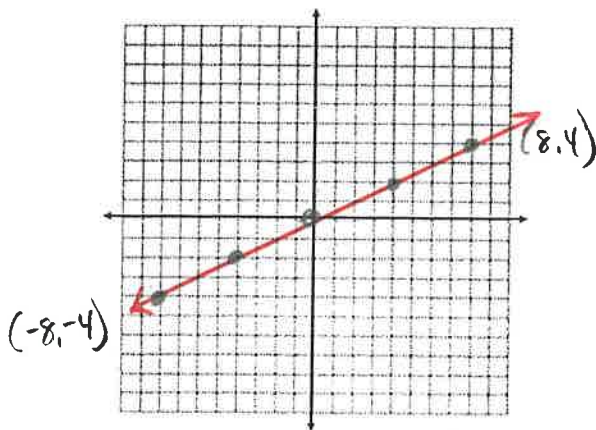
$$4 = k$$

$$y = 4x$$

Use the graph to write an equation.

8.

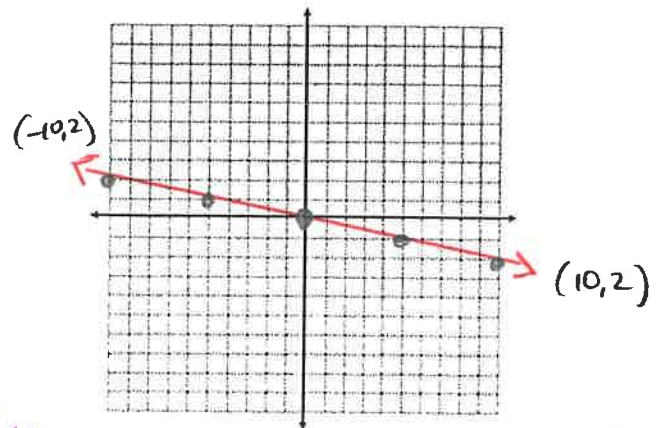
1 pt
1 pt ea.



$$y = \frac{1}{2}x$$

x	y
-8	-4
-4	-2
0	0
4	2
8	4

9.



$$y = -\frac{1}{5}x$$

x	y
-10	2
-5	1
0	0
5	1
10	2