

NAME:

Period:

Score:

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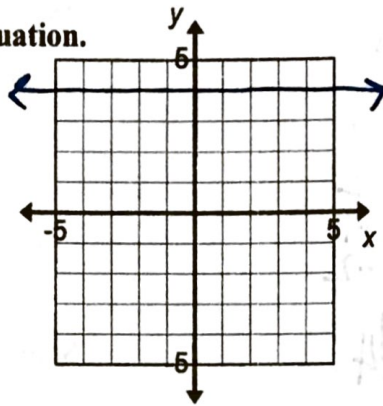
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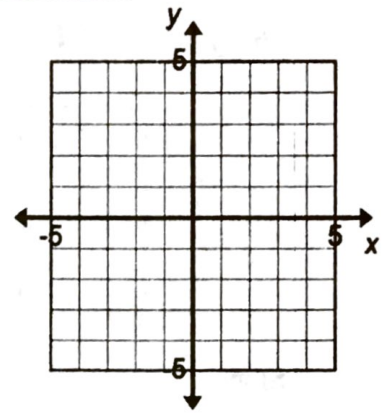
## HW 2-3: Horizontal/Vertical Lines & T-Charts

Graph each equation.

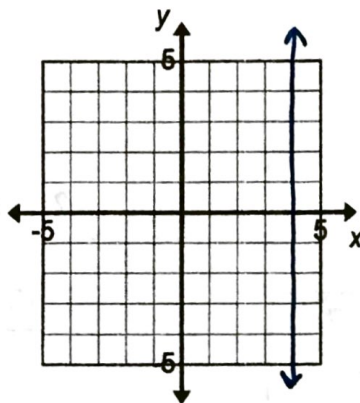
1.  $y = 4$



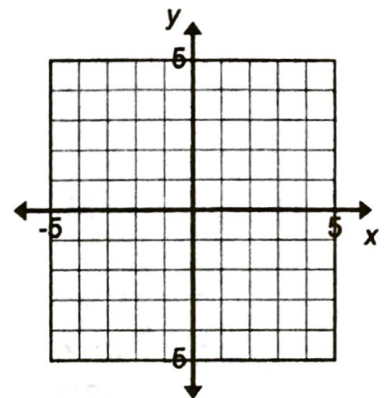
2.  $x = -3$



3.  $x = 4$



4.  $y = -2$



Find the slope of each equation from a graph that you create.

5.  $y = 2$

Slope = 0

6.  $x = -4$

Slope = \_\_\_\_\_

7.  $y = -4$

Slope = 0

8.  $x = 2$

Slope = \_\_\_\_\_

9.  $x = 1$

Slope = Undefined

10.  $y = -3$

Slope = \_\_\_\_\_

Fill in the blank.

11. A horizontal line has a slope of \_\_\_\_\_.

0

12. A vertical line has a slope of \_\_\_\_\_.

\_\_\_\_\_

From the pattern that you have already observed, determine whether the line formed by the following two points is horizontal or vertical.

13.  $(-11, 6), (-3, 6)$

horizontal

14.  $(14, 15), (13, 15)$

15.  $(1, 8), (1, 14)$

vertical

Complete a t-chart with four solutions for each equation. Then identify the slope of each equation. (Hint: you may need to use inverse operations to help solve/create your t-chart.)

16.  $y = -2x + 6$

x	y
-2	
-1	
0	
1	

Slope: \_\_\_\_\_

17.  $y = -\frac{3}{4}x + 2$

x	y
-4	5
0	2
4	-1
8	-2

Slope:  $-\frac{3}{4}$

18.  $x + y = 6$

x	y
-1	
0	
1	
2	

Slope: \_\_\_\_\_

19.  $y = 10x - 33$

x	y
-2	-53
0	-33
2	-13
4	7

Slope: 10

20.  $y = 5x$

x	y
-2	
-1	
0	
1	

Slope: \_\_\_\_\_

21.  $y = -2x + 6$

x	y
-1	8
0	6
1	4
2	2

Slope: -2

22.  $x - y = 2$

x	y
-1	
0	
1	
2	

Slope: \_\_\_\_\_

23.  $y = \frac{1}{2}x + 7$

x	y
-2	6
-1	6 $\frac{1}{2}$
0	7
1	7 $\frac{1}{2}$

Slope:  $\frac{1}{2}$

24.  $y = x$

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

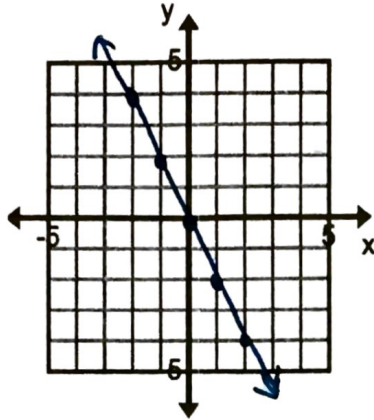
Slope: 1

Create the following tables and graph each equation. Identify the slope for each equation.

25.  $y = -2x$

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

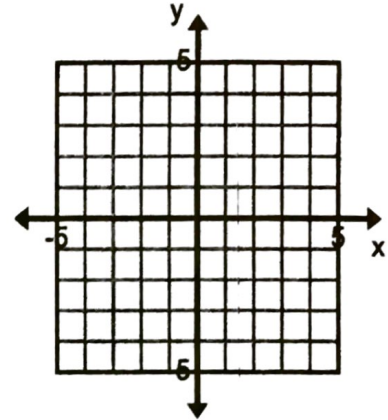
Slope = -2



26.  $y = -2$

x	y
-2	
-1	
0	
1	
2	

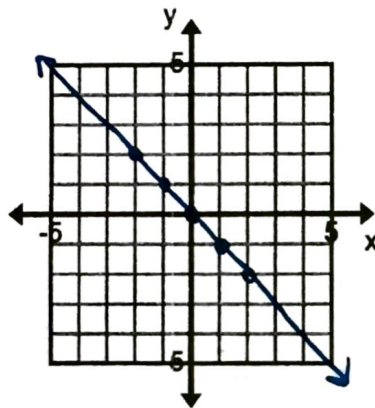
Slope = \_\_\_\_\_



27.  $y = -x$

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

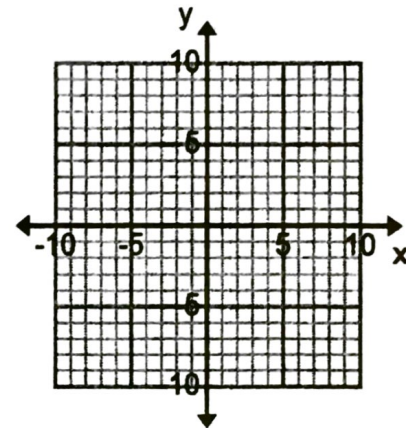
Slope = -1



28.  $y = \frac{2}{3}x - 4$

x	y
-3	
-2	
0	
2	
3	

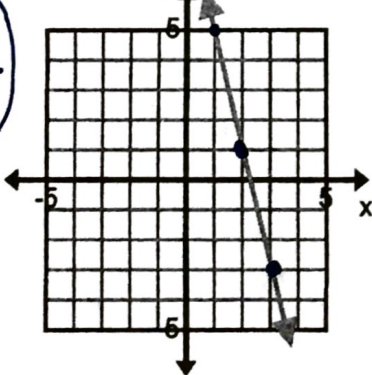
Slope = \_\_\_\_\_



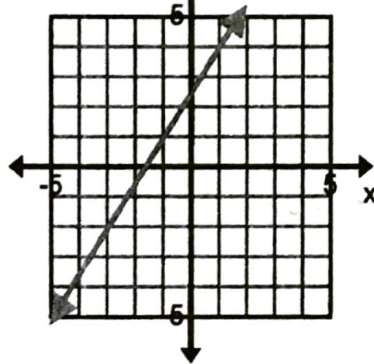
Identify the slope given two points or a graph.

29.  $y$

$-\frac{4}{1}$



30.  $y$



31. (16, -5) and (4, 5)

$-\frac{5}{6}$

32. (-9, 8) and (-3, 8)

Solve:

33.  $-4y - 9 < 15$

$y > -6$

34.  $\frac{m + -7}{6} \geq -10$