

# Chapter 3 Test Review

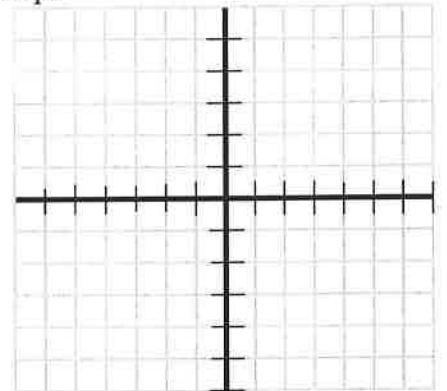
Name: \_\_\_\_\_

Show your work for full credit!

1. Slope-intercept form: \_\_\_\_\_
2. Standard form: \_\_\_\_\_
3. Slope is also known as \_\_\_\_\_ over \_\_\_\_\_.
4. Identify the slope and the y-intercept for the line with equation  $y = -5x + 7$ .

Slope = \_\_\_\_\_ y-intercept = \_\_\_\_\_

5. Write the equation in slope-intercept form for the line whose y-intercept is -4 and whose slope is -1.



6. What are the intercepts of the line  $15x = 5y - 10$ ?

x-intercept = \_\_\_\_\_ ( , )  
y-intercept = \_\_\_\_\_ ( , )

7. What are the intercepts of the line  $6x + 2y = 8$ ?

x-intercept = \_\_\_\_\_ ( , )  
y-intercept = \_\_\_\_\_ ( , )

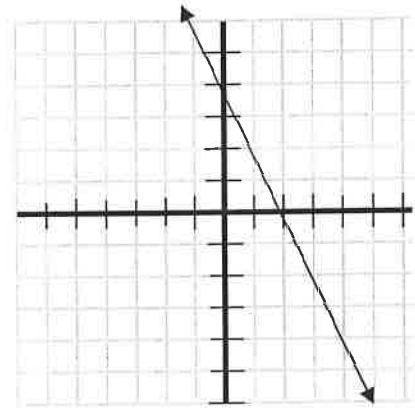
8. What is the equation of the line whose slope is -2 and whose y-intercept is 8?

9. Write the equation of the line in slope-intercept form given the information below.

a. Slope:  $\frac{3}{4}$  ; y-Intercept: (0, -4)

b.  $m = 4$  and b: (0, -3)

10. Write an equation in slope-intercept form for the line graphed below.



11. Slope from Tables

Identify the slope for each table below.

a. \_\_\_\_\_

X	Y
-1	-3
2	-5
5	-7
8	-9
11	-11

b. \_\_\_\_\_

X	Y
-4	13
-1	4
0	1
2	-5
5	-14

c. \_\_\_\_\_

X	Y
1	2
1	1
1	0
1	8
1	-3

d. \_\_\_\_\_

X	Y
-3	2
1	2
3	2
7	2
9	2

12. Slope from Two Points

Identify the slope from the points below.

a. (1, -2) and (2, 2)

b. (1, 0) and (-4, 2)

c. (0, 2) and (7, 5)

13. Slope from Equations

Identify the slope for each equation

a.  $y = x - 6$

b.  $y = 4$

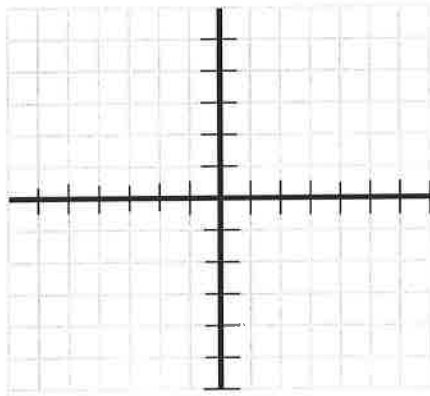
c.  $2y = 6 + \frac{1}{2}x$

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

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

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

14. Graph the equation  $-\frac{3}{4}x + y = 1$ . State the slope, intercepts, and make a table with three points.

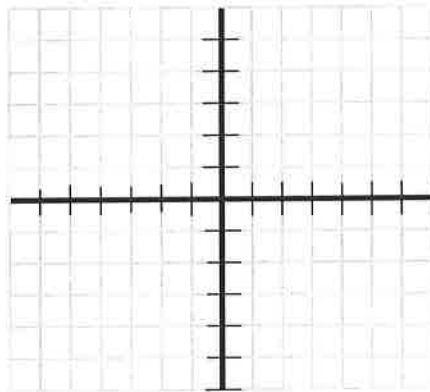


Slope=

Y-intercept=

X-intercept=

15. Graph the equation  $-3x + 2y = 6$ . State the slope, intercepts, and make a table with three points.

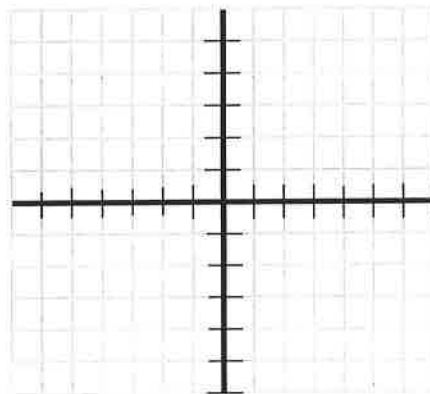


Slope=

Y-intercept=

X-intercept=

16. Graph  $x = 0$ . State the slope, intercepts, and make a table with three points.

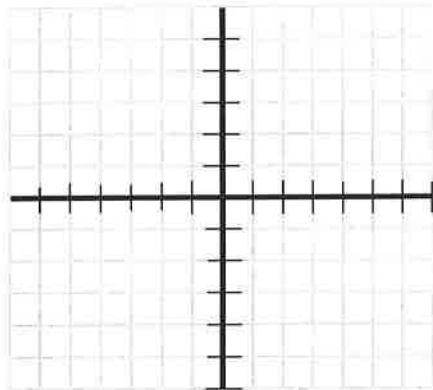


Slope=

Y-intercept=

X-intercept=

17. Graph  $y = -2x$ . State the slope, intercepts, and make a table with three points.

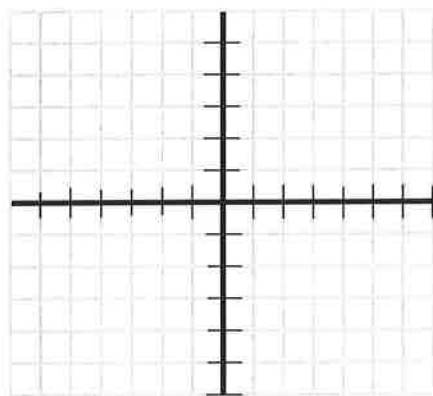


Slope=

Y-intercept=

X-intercept=

18. Graph  $x + 2y = 10$ . State the slope, intercepts, and make a table with three points.

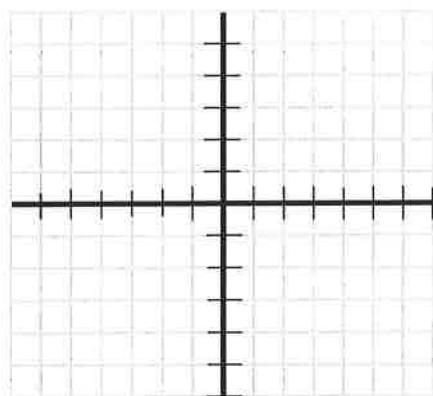


Slope=

Y-intercept=

X-intercept=

19. Graph  $y = x$ . State the slope, intercepts, and make a table with three points.

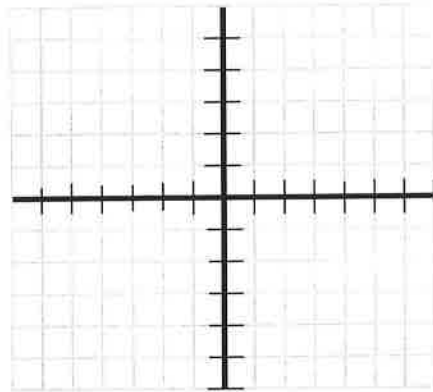


Slope=

Y-intercept=

X-intercept=

20. Graph  $y = 4x - 6$ . State the slope, intercepts, and make a table with three points.

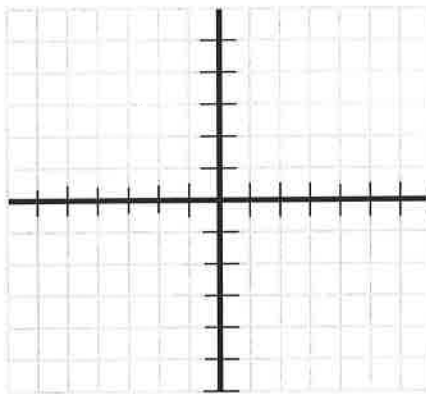


Slope=

Y-intercept=

X-intercept=

21. Graph  $x = 5$ . State the slope, intercepts, and make a table with three points.

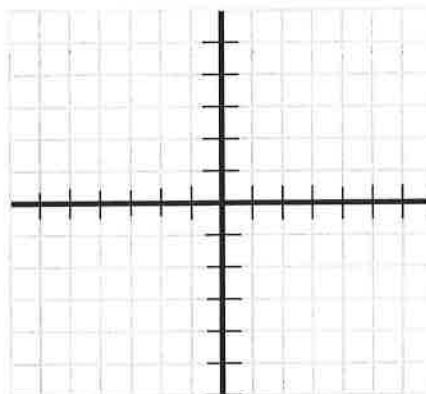


Slope=

Y-intercept=

X-intercept=

22. Graph  $y = -2$ . State the slope, intercepts, and make a table with three points.



Slope=

Y-intercept=

X-intercept=