

**Unit 1 Practice TEST**

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

SHOW YOUR WORK FOR FULL CREDIT. NO WORK, NO CREDIT. NO WORK IN PEN.

Find the **slope, y-intercept, x-intercept (when asked) and equation** of the line represented in the tables.

1.

X	Y
0	2
4	22
5	27

2.

X	Y
0	7
3	1
6	-5

3.

X	Y
-1	19
0	14
1	9

Slope: \_\_\_\_\_ y-Intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

Slope: \_\_\_\_\_ y-Intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

Slope: \_\_\_\_\_ y-Intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

4.

X	Y
4	10
3	5
1	-5

5.

X	Y
5	12
7	10
6	11

6.

X	Y
0	-2
5	3
3	1

Slope: \_\_\_\_\_ y-Intercept: \_\_\_\_\_  
x-intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

Slope: \_\_\_\_\_ y-Intercept: \_\_\_\_\_  
x-intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

Slope: \_\_\_\_\_ y-Intercept: \_\_\_\_\_  
x-intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

Find the **slope, y-intercept, and equation** of the line represented in the following two points.

7. (5, 2) and (2, -7)

8. (-4, 3) and (1, 8)

9. (7, 4) and (6, 9)

Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

Using the information given, put the following in **Slope-Intercept Form**.

10.  $m = 10$ , Point (2, 3)

11.  $m = -2$ , Point (4, 6)

12. Slope = -4, Point (-3, -2)

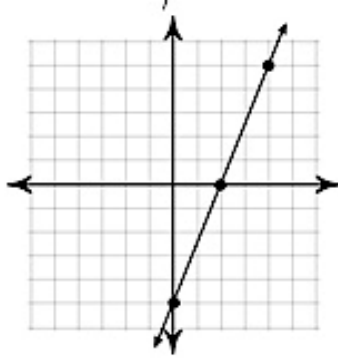
Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
Equation: \_\_\_\_\_

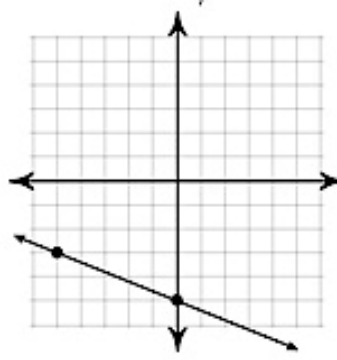
Find the **slope, y-intercept, x-intercept (when asked) and equation** of the line represented in the graphs.

13.



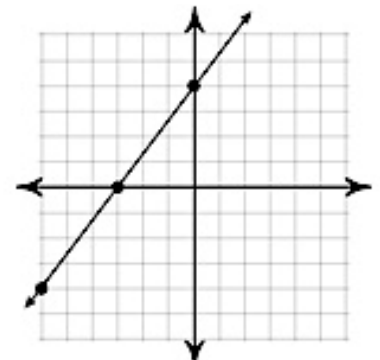
Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
 x-intercept: \_\_\_\_\_  
 Equation: \_\_\_\_\_

14.



Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
 E.C. x-intercept: \_\_\_\_\_  
 Equation: \_\_\_\_\_

15.



Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
 x-intercept: \_\_\_\_\_  
 Equation: \_\_\_\_\_

Find the **slope, y-intercept and x-intercept** from the following equations.

16.  $y + 15 = -7x + 3$

17.  $-3 + y = 3x + 6$

18.  $3y + 9x = -9$

Slope: \_\_\_\_\_ y-Intercept: \_\_\_\_\_  
 E.C. x-Intercept: \_\_\_\_\_

Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
 x-Intercept: \_\_\_\_\_

Slope: \_\_\_\_\_ Y-Intercept: \_\_\_\_\_  
 x-Intercept: \_\_\_\_\_

Find the **slope, y-intercept, and equation** of the line represented in the following story problems.

19. I bought a bag of candy that weighs 32 ounces with each candy inside weighs 2 ounces. Define your variables and write an equation that shows how much the bag weighs as I keep eating the candy.  
 Equation:

What does your slope represent?

What does your y-intercept represent?

20. The cost of renting a movie at Joe's Video Rental is a \$75 membership fee plus \$2 per movie. Define your variables and write an equation of the line representing the cost for renting a video at Joe's Video Rental?

Equation:

What does your slope represent?

What does your y-intercept represent?

### Parallel Perpendicular Lines

21. Write an equation for a line that is **parallel** to the line  $y = -2x + 3$

22. Write the equation for a line that is **parallel** to the line  $y = x + 4$  and through the point  $(3, -2)$

23. Write an equation for a line that is **perpendicular** to the line  $y = \frac{1}{3}x - 1$

24. Write the equation for a line that is **perpendicular** to the line  $y = \frac{1}{2}x - 2$  and through the point  $(4, 1)$