

Sections 2.7 to 2.8 Review Worksheet

Name: _____

Period: _____

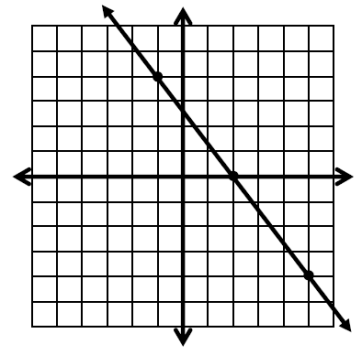
Directions: Find the **Point-Slope form** of each line with the given information.

1. What is the **point-slope form** of the linear function that has a slope of $-\frac{5}{2}$ and goes through $(3, -7)$?
2. What is the **point-slope form** of the linear function that is goes through $(7, -4)$ and $(1, 8)$?

3. What is the **point-slope form** of the linear function that has the following table?

x	-12	-6	0	6	12	18	24
y	20	11	2	-7	-16	-25	-34

4. What is the **point-slope form** of the linear function that has the following graph?



5. What is the **point-slope form** of the linear function that is **parallel** to $y + 3 = -\frac{3}{4}(x - 6)$ and goes through $(-4, -8)$?
6. What is the **point-slope form** of the linear function that is **perpendicular** to $2x - 3y = -16$ and goes through $(9, 3)$?

Directions: Find the **Slope-Intercept form** of each line with the information. **Show all work!**

7. What is the **slope-intercept form** of the linear function that has a slope of $-\frac{5}{3}$ and goes through (10, -3)?
8. What is the **slope-intercept form** of the linear function that has a slope of -1 and goes through (-6, -2)?

9. What is the **slope-intercept form** of the linear function that goes through (4, 5) and (10, -3)?
10. What is the **slope-intercept form** of the linear function that goes through (-4, -9) and (8, 9)?

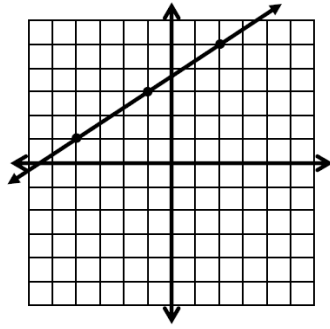
11. What is the **slope-intercept form** of the linear function that has the following table?

x	-8	-4	0	4	8	12	16
y	21	15	9	3	-3	-9	-15

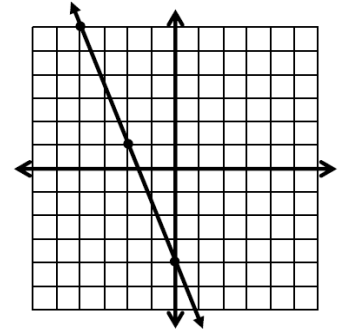
12. What is the **slope-intercept form** of the linear function that has the following table?

x	-5	-2	1	4	7	10	13
y	-12	-7	-2	3	8	13	18

13. What is the **slope-intercept form** of the linear function that has the following graph?



14. What is the **slope-intercept form** of the linear function that has the following graph?

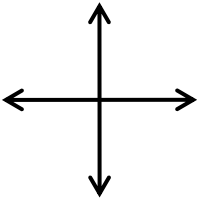
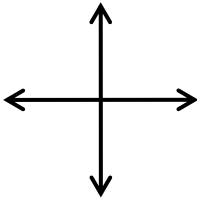


15. What is the **slope-intercept form** of the linear function that is **perpendicular** to

$$y - 5 = \frac{3}{2}(x + 6) \text{ and goes through } (4, -2)?$$

16. What is the **slope-intercept form** of the linear function that is **parallel** to $3x + y = 5$ and goes through $(-2, 7)$?

Directions: Complete the parent function chart.

PARENT FUNCTION:		
FUNCTION EQUATION:	$f(x) = x$	$f(x) = c$
GRAPH:		
DOMAIN IN SET NOTATION:		
RANGE IN SET NOTATION:		