FLUENCY PRACTICE: Finding Slope-Intercept Functions from 2 Points, Tables, and Graphs

Name:_____ Period:_____

Directions: Find the **slope-intercept form** of each line with the given information. Use only fractions **Show all work.**

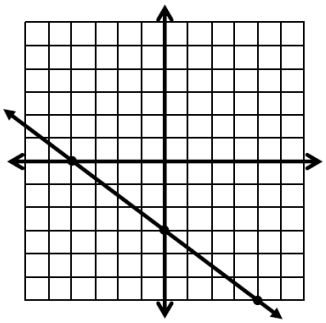
1. What is the **slope-intercept form** of the linear function that goes through (-2, 8) and (2, -2)?

2. What is the **slope-intercept form** of the linear function that goes through (6, 4) and (-3, 1)?

3. What is the **slope-intercept form** of the linear function with the following table?

x	-9	-5	-1	3	7	11	15
y	-1	1	3	5	7	9	11

4. What is the **slope-intercept form** of the linear function with the following graph?



5. What is the **slope-intercept form** of the linear function that goes through (12, -7) and (2, -1)?

6. What is the **slope-intercept form** of the linear function that goes through (7, -4) and (2, 4)?

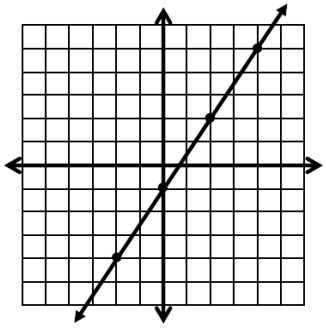
7. What is the **slope-intercept form** of the linear function that has the following table?

x	-10	-5	0	5	10	15	20
y	-19	-13	-7	-1	5	11	17

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

x	-10	-3	4	11	18	25
y	23	19	15	11	7	3

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



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