

1st Semester Review Worksheet D

Name: _____

Period: _____

Directions: Find the equation of the line in **slope-intercept form** that goes through both points. **Show all work.**

1. $(-9, -11)$ & $(5, 17)$

2. $(8, -11)$ & $(-4, -2)$

3. $(-8, -36)$ & $(6, -1)$

4. $(3, 10)$ & $(12, 7)$

Directions: Find the equation of the line in **slope-intercept form** that goes through the points and is parallel to the given line. **Show all work.**

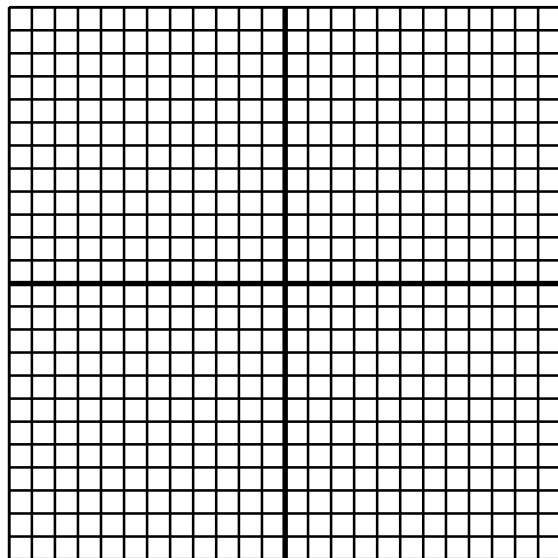
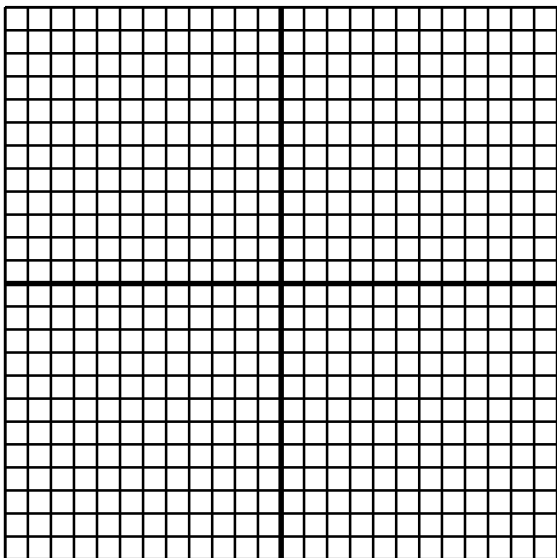
5. $(-4, -11)$ & parallel to $y = -\frac{3}{4}x + 5$

6. $(8, 3)$ & parallel to $5x - 2y = 12$

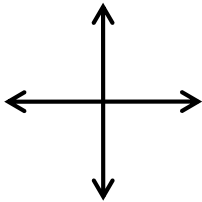
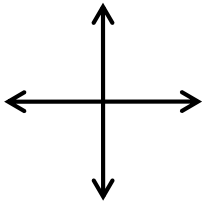
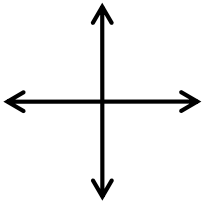
Directions: Graph each system of inequalities.

7. $y > \frac{1}{2}x + 4$ and $y + 6 \leq -\frac{4}{3}(x - 7)$

8. $4x + 5y \geq 12$ and $y > \frac{3}{2}x + 5$



Directions: Complete the parent function chart.

PARENT FUNCTION:	LINEAR		
FUNCTION EQUATION:		$f(x) = c$	
GRAPH:			
DOMAIN:			
RANGE:			$\{y \mid y \geq 0\}$