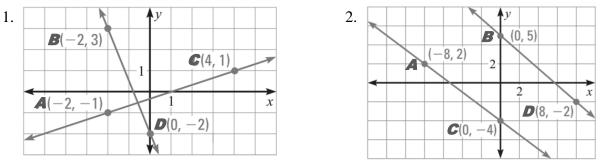
Name: \_\_\_\_\_

## **1.5.D1 – Parallel & Perpendicular** Lines on the Coordinate Plane

Past due on: \_\_\_\_\_ Period: \_\_\_\_\_





- 3. Write the equation of three different lines in slope-intercept form that are parallel to the line x - 2y = 12.
- 4. Write the equation of three different lines in slope-intercept form that are perpendicular to the line 3x + 2y = -6.

Write an equation in point-slope and slope-intercept form for the line that is parallel to the given line and that passes through the given point.

5. 
$$y = -3x + 4$$
; (6, -2)  
6.  $y = 4x + 5$ ; (4, -3)

7. 
$$y = \frac{1}{2}x + 5$$
; (4, -3)  
8.  $y = -\frac{4}{3}x - 2$ ; (3, -5)

Write an equation in point-slope and slope-intercept form for the line that is perpendicular to the given line and that passes through the given point.

9. y = -3x + 4; (6, -2) 10. y = 4x + 5; (4, -3)

11. 
$$y = -\frac{2}{3}x - 7$$
; (4,5) 12.  $y = \frac{1}{2}x - 2$ ; (3,-5)