

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

**Problem 1.** Find an equation of the line that satisfies the given conditions

1. Through  $(-2, -4)$ ; perpendicular to the line  $2x - 4y = 1$  (2 points).

2.  $y$ -intercept 3; parallel to the line  $x + 3y = 9$  (1 point).

3. Through  $(3, 5)$ ; slope  $\frac{3}{2}$  (1 point).

