

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

**Problem 1.** Find the slope and  $y$ -intercept of the line  $2y + 3x - 6 = 0$ . (4 points.)

**Problem 2.** Find an equation of the line which is the perpendicular bisector of the line segment that joins the points  $A(1, 4)$  and  $B(7, 2)$ . Give your final answer in slope-intercept form. (6 points.)