

Name: _____ **Date:** _____

Problem 1 (5 points). Find the equation of the straight line that is perpendicular to the straight line $3x - 5y = 7$ and passes through the point $(2, 3)$. Write the resulting equation in *slope-intercept form*.

Problem 2 (5 points). Solve the following inequality:

$$3x^2 + 5x - 2 < 0.$$