

4. Find an equation for the straight line that passes through the point $(1, 8)$ and is perpendicular to the line passing through the points $(-2, 7)$ and $(0, -3)$. Put your answer in the standard form with integer coefficients and positive x -coefficient.

5. Graph the solution set of the compound inequality in two variables

$$-2x - 3y > 6 \quad \text{and} \quad 5x - 2y < 10.$$