Algebra II: Quiz #2

Directions: Write down all of your steps to each problem and show all of your work.

1. Graph the linear equation $3x - 6y = 6$ using any method that we have learned in class.

2. Graph the linear equation $x - 2y = 3$ using any method that we have learned in class.
3. Find the coordinates of the $x$ and $y$ intercepts for the linear equation $2x - y = 4$.

Coordinates of $x$-intercept: __________

Coordinates of $y$-intercept: __________

4. Find the equation of the line that contains the points (-2, -5) and (2, -3) using the slope formula and the point-slope formula. Convert your answer to slope-intercept form.

5. Consider the line $x - 2y = 3$. Use the point-slope formula to find the equation of the line perpendicular to $x - 2y = 3$ that passes through the point (-1, 0). Convert your answer to slope-intercept form.