

1. (2 pts.) Find the x-intercept and the y-intercept of the line $y = 4x - 24$.

2. (2 pts.) Graph the equation $3x + 4y = 24$.

3. (2 pts.) Solve the following inequality for x.

$$15 - 3x \leq 2x - 10.$$

4. (4 pts.) Graph the feasible set of the following system of inequalities.

$$3x + 6y \geq 24$$

$$3x + y \geq 6$$