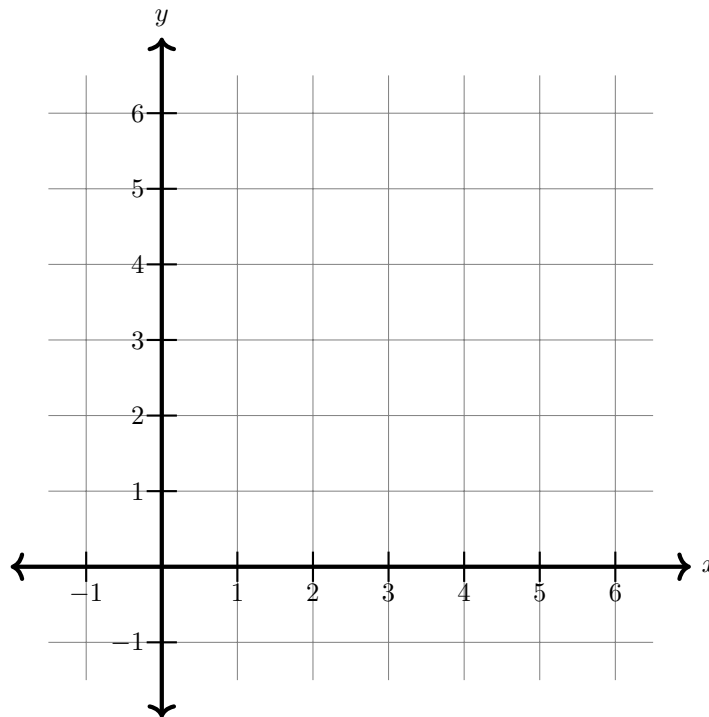Name: _____   Date: _____

MA 162

Week 9 Recitation Worksheet (Thursday)

$\boxed{\textbf{You must show all work to receive full credit.}}$

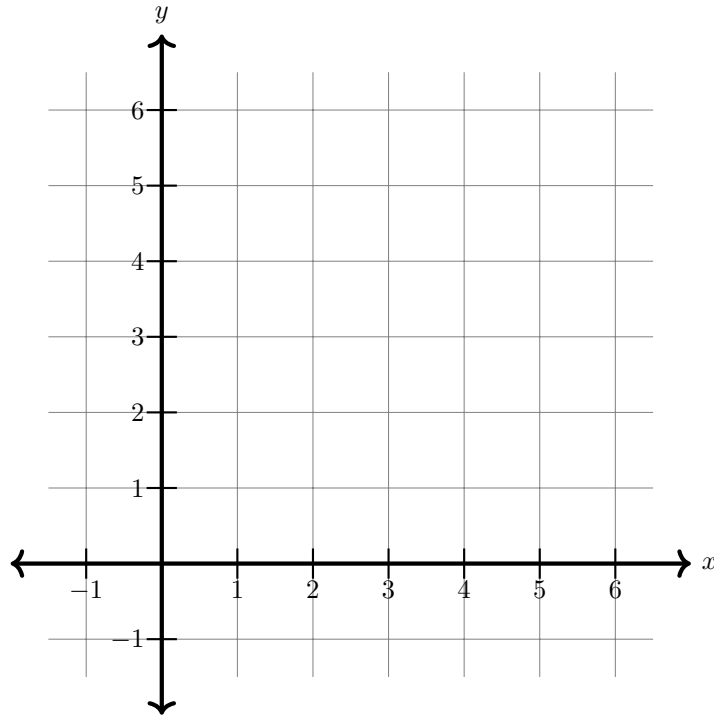1. Graph the feasible region for the following system of inequalities.

$$\begin{cases} 2x + 3y & \leq & 12 \\ x - y & \geq & -1 \\ x & \geq & 0 \\ y & \geq & 0 \end{cases}$$

Determine the corner point(s) of the feasible region.

2. Graph the feasible region for the following system of inequalities.

$$\begin{cases} 2x - y & \leq & -2 \\ 3x + 5y & \geq & 15 \\ x & \geq & 0 \\ y & \geq & 0 \end{cases}$$

Determine the corner point(s) of the feasible region.