ALG III 9/7/17   Name:_____
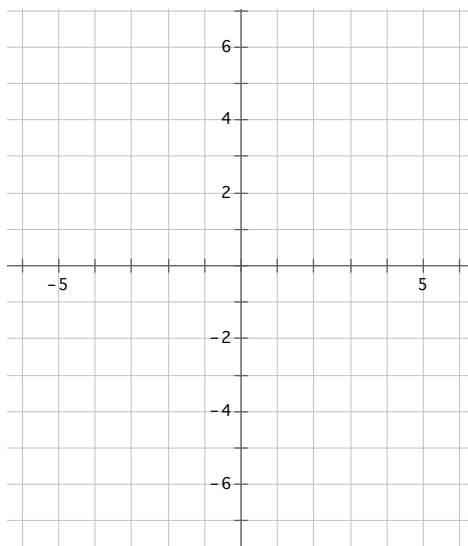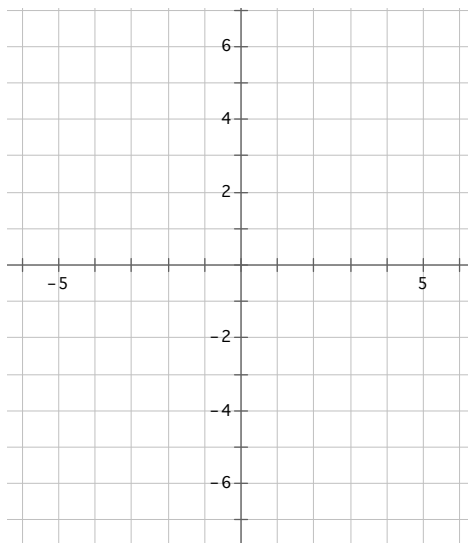Linear Inequalities

Warm Up: Solve by using elimination or substitution.

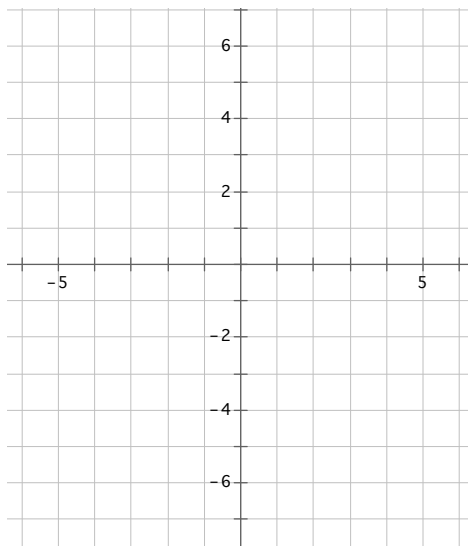$$\begin{cases} 3x - 5y = 25 \\ -4x + 2y = -24 \end{cases}$$

EX #1:   Graph $x + y \le 4$
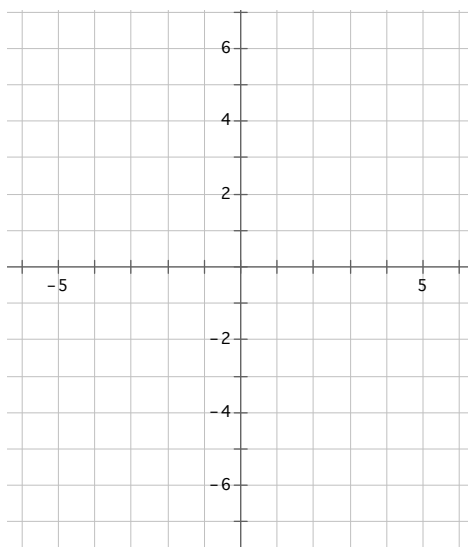
EX #2:   Graph $3x + 4y > 12$

EX #3:   Graph $\begin{cases} x - y \le 4 \\ x \ge -2 \end{cases}$

EX #4:   Graph $7x - 3y < 21$ or $x > 2$

EX #5: $|x - 3| \ge 2$ $|x - 3| \le 2$

Assignment: pg. 146 #11, 13, 14, 17, 21, 24, 27, 28, 33, 34