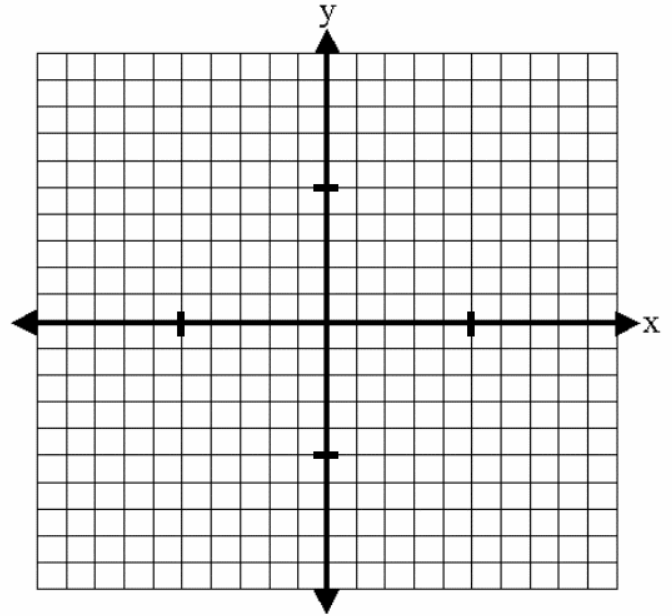


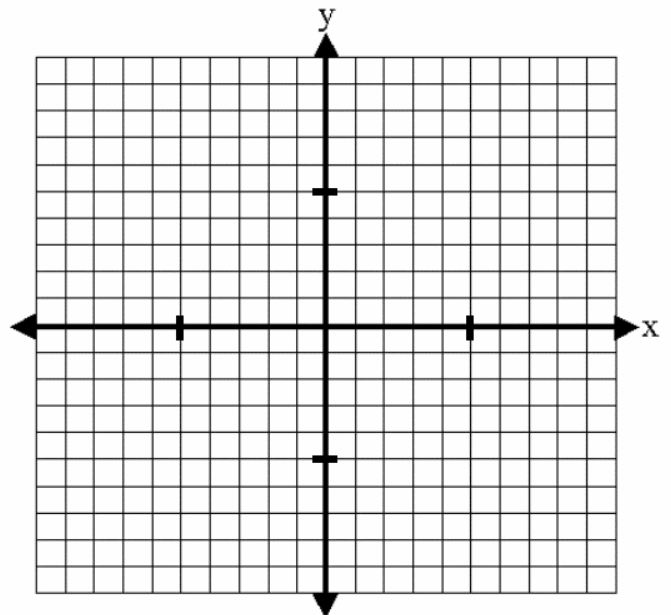
OBJECTIVE: To solve a system of inequalities by graphing.

Solve each system of inequalities by graphing.

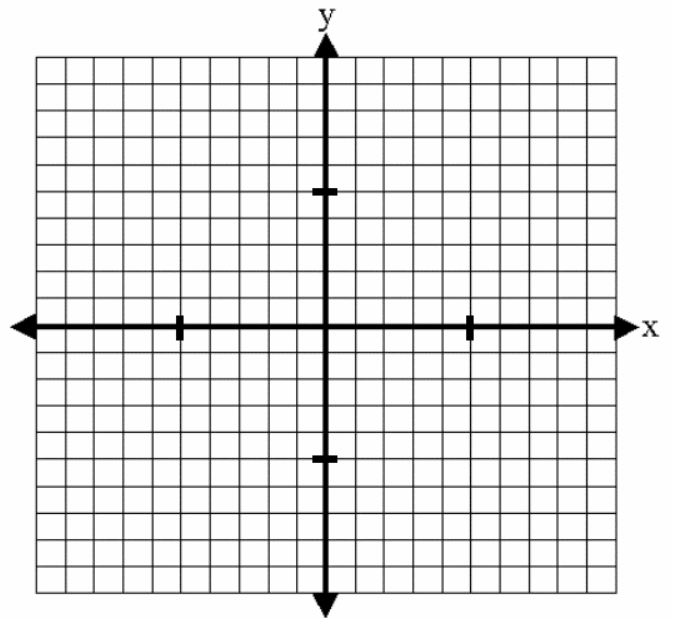
1. $y \leq \frac{1}{3}x + 1$
 $y > \frac{1}{3}x - 2$



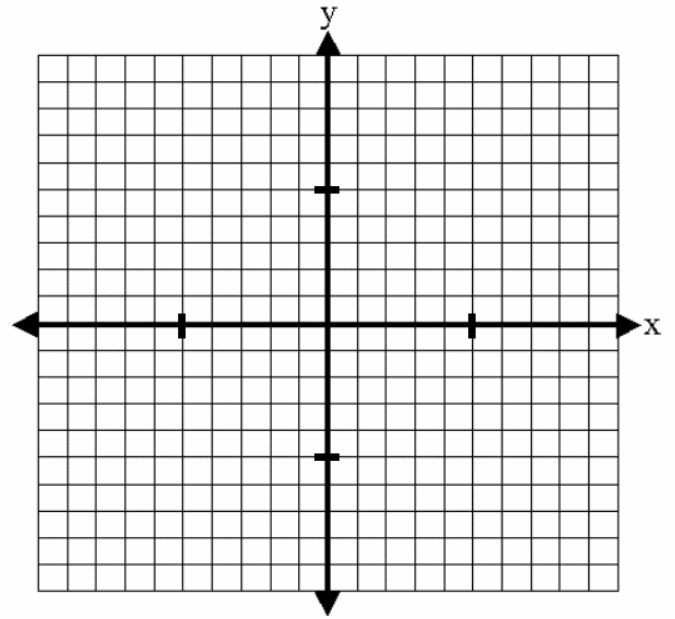
2. $y \leq 2x - 3$
 $y \leq -\frac{1}{2}x + 2$



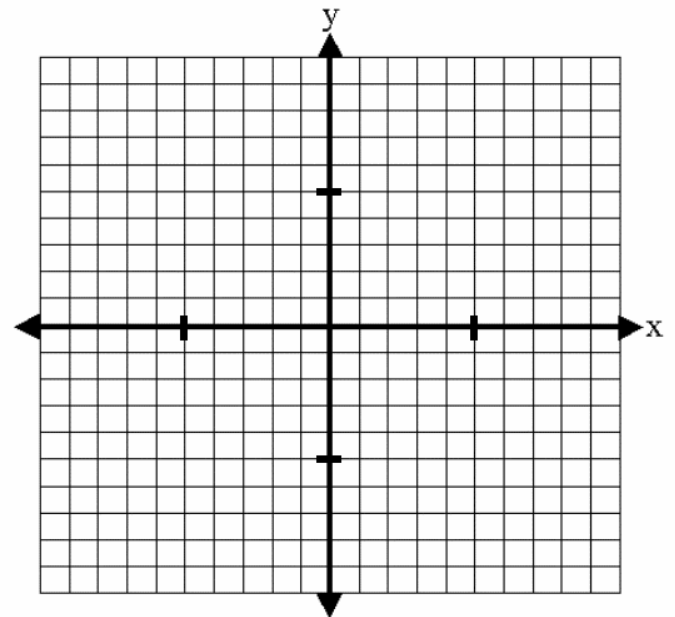
3. $y < 2x + 3$
 $x + 2y \leq 12$



4. $x - y \leq 4$
 $y < -2x + 4$



5. $3x - 3y > -9$
 $y < -2x + 6$



REVIEW QUESTIONS:

6. Solve the system algebraically.

$$3x + 2y = 4$$

$$2y = -5x + 8$$

7. Solve the system algebraically.

$$12x + 3y = 16$$

$$-36x - 9y = 32$$