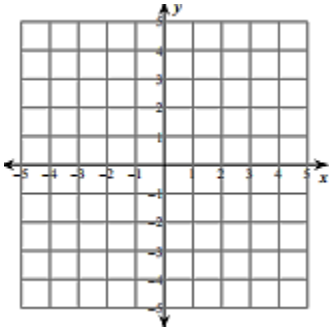


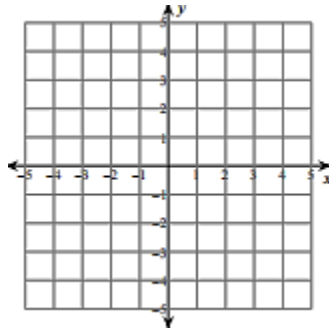
Homework 2.8 Solving System of Linear Inequalities

Solve each system by graphing.

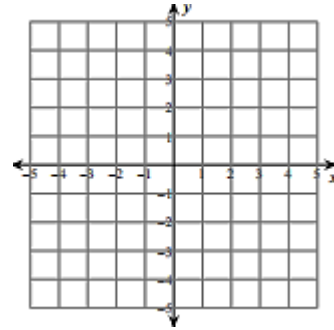
1. $\begin{cases} y \leq -x - 2 \\ y \geq -5x + 2 \end{cases}$



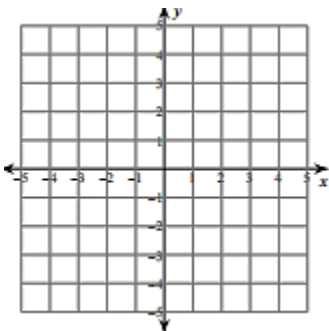
2. $\begin{cases} y > -x - 2 \\ y < -5x + 2 \end{cases}$



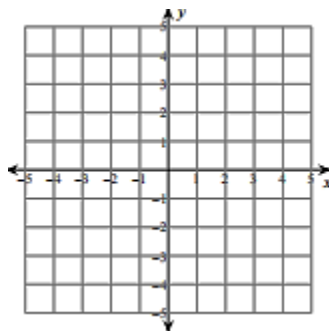
3. $\begin{cases} y \leq \frac{1}{2}x + 2 \\ y < -2x - 2 \end{cases}$



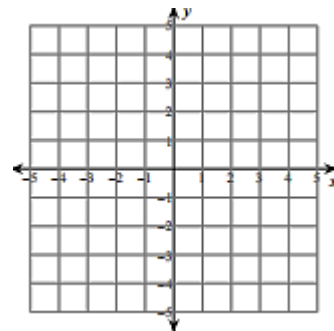
4. $\begin{cases} x \leq -3 \\ y < \frac{5}{3}x + 2 \end{cases}$



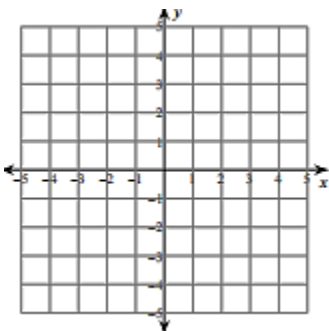
5. $\begin{cases} y \leq -\frac{5}{2}x - 2 \\ y < -\frac{1}{2}x + 2 \end{cases}$



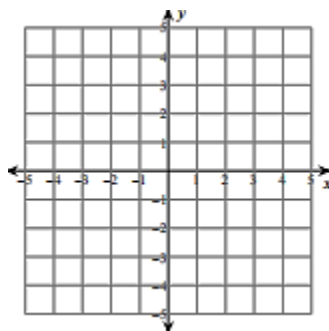
6. $\begin{cases} y \geq \frac{2}{3}x + 3 \\ y > -\frac{4}{3}x - 3 \end{cases}$



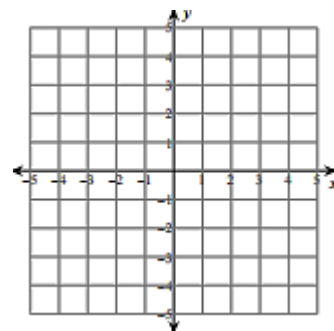
7. $\begin{cases} 4x + y < 2 \\ y > -2 \end{cases}$



8. $\begin{cases} x + 2y < 2 \\ 3x + 2y > -2 \end{cases}$



9. $\begin{cases} y < -x + 3 \\ y \geq x - 3 \end{cases}$



10. Discuss where the solutions are graphically when solving systems of inequalities.