Solve each system of inequalities by graphing.
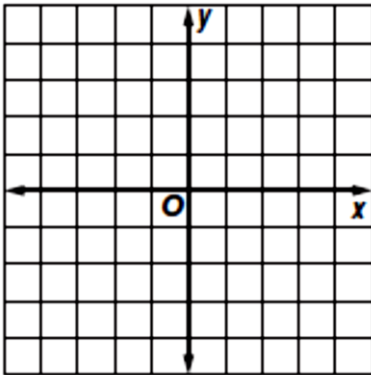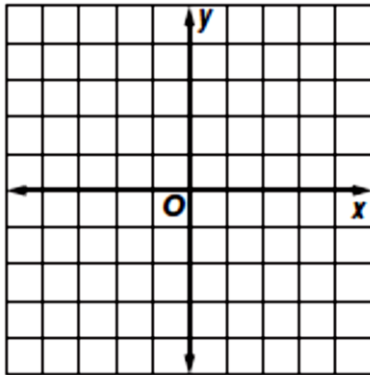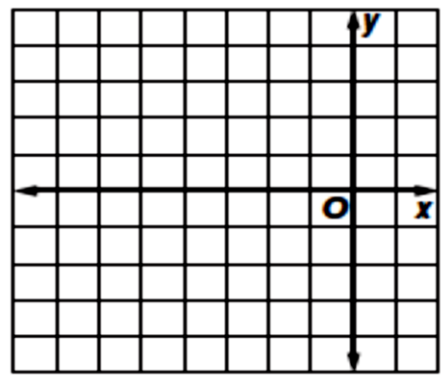
1. $\begin{cases} x > \text{-}1 \\ y \le \text{-}3 \end{cases}$
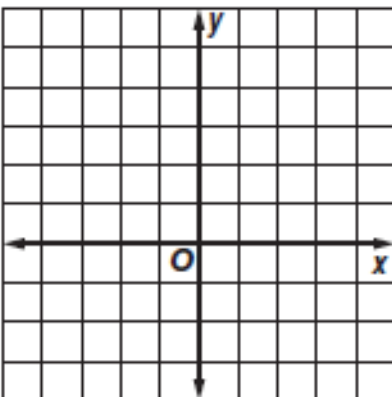
2. $\begin{cases} y > 2 \\ x \le -2 \end{cases}$
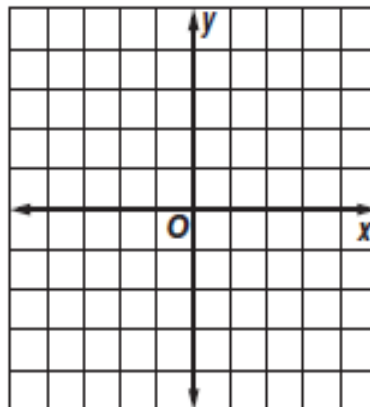
3. $\begin{cases} y > x + 3 \\ y \le -1 \end{cases}$
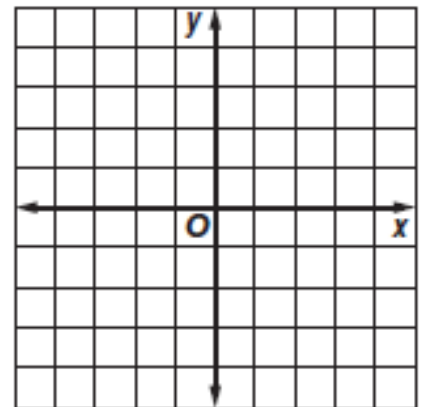
4. $\begin{cases} x < 2 \\ y - x \le 2 \end{cases}$

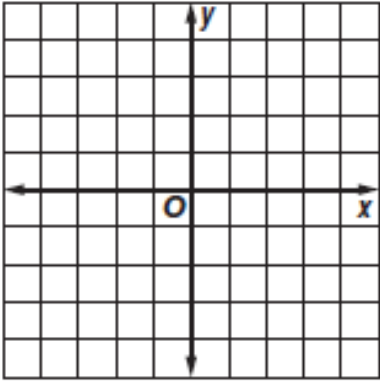**5.** $\begin{cases} x + y \le -1 \\ x + 7 \ge 3 \end{cases}$

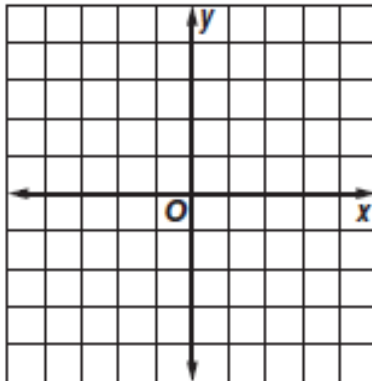**6.** $\begin{cases} y - x > 4 \\ x + y > 2 \end{cases}$

*No matter how many mistakes you make or how slow you progress,
you're still way ahead of everyone who isn't trying.*
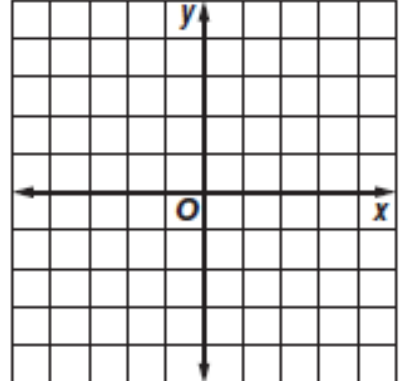
Tony Robbins

7. $\begin{cases} y > x + 1 \\ y \geq -x + 1 \end{cases}$

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

9. $\begin{cases} y < 2x + 4 \\ y \geq x + 1 \end{cases}$

Write a system of inequalities for each graph.

10.

11.

12.