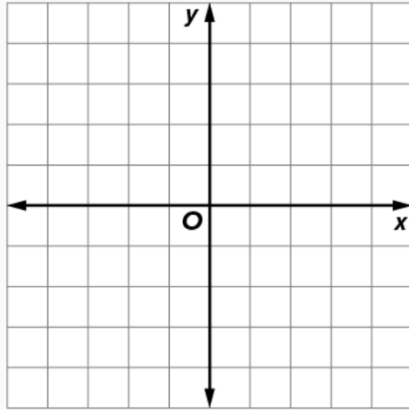


Paper Practice 7.5

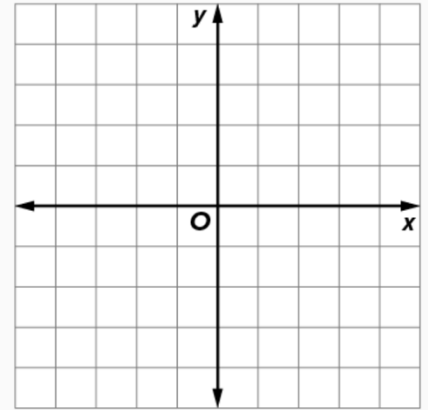
Systems of Inequalities

Solve each system of inequalities by graphing.

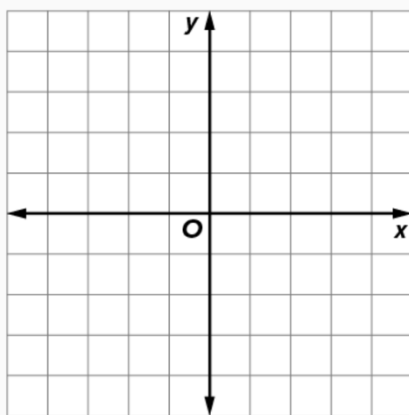
1. $y > 5$
 $y < x + 2$



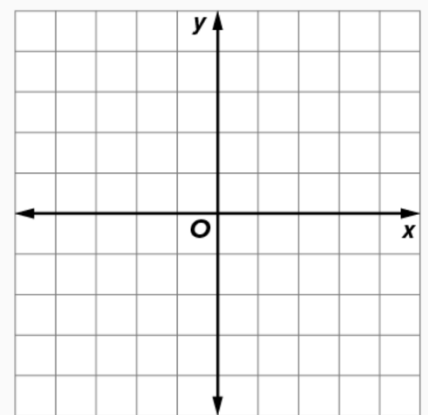
2. $y \leq 2$
 $y \leq x - 2$



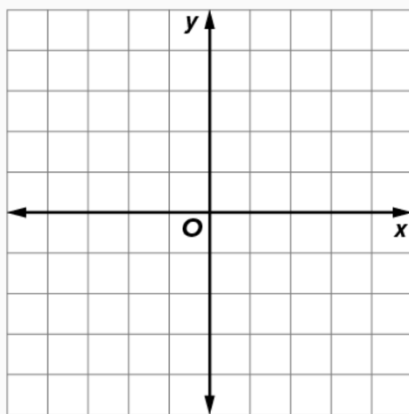
3. $y \geq 3x + 7$
 $y < 3x - 1$



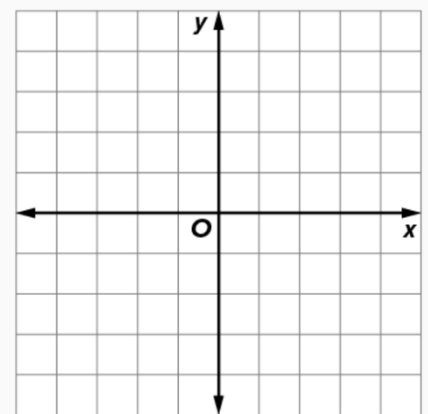
4. $y < -x + 4$
 $y \geq 0.5x + 3$



5. $y \leq -3x$
 $y \geq x + 6$



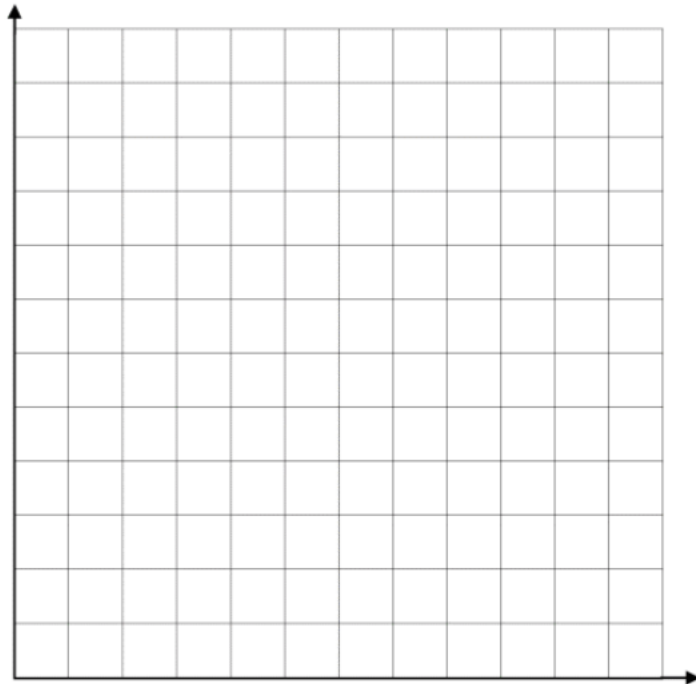
6. $y \geq 2x - 1$
 $x + y \geq -3$



7. Cian wants to sell some of his video games. He wants to sell at least 5 video games. He sells console games for \$12 and handheld games for \$8. Cian wants to earn more than \$50.

a. Write a system of inequalities to represent this situation. Define your variables.

b. Graph the system.



c. List three viable solutions.