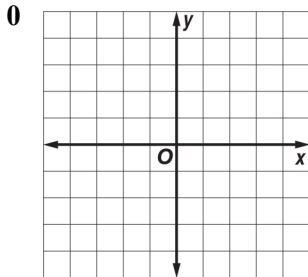


6-6 Practice

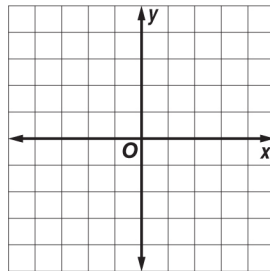
Systems of Inequalities

Solve each system of inequalities by graphing.

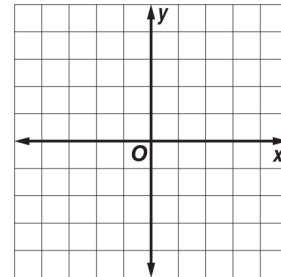
1. $y > x - 2$
 $y \leq x$



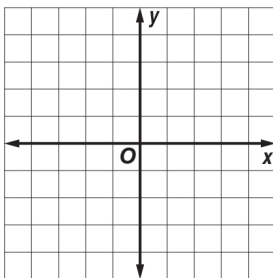
2. $y \geq x + 2$
 $y > 2x + 3$



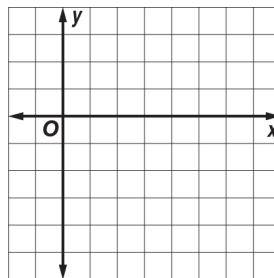
3. $x + y \geq 1$
 $x + 2y > 1$



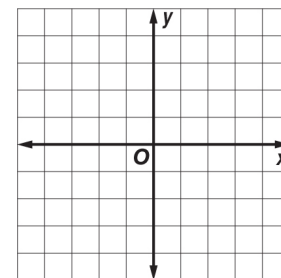
4. $y < 2x - 1$
 $y > 2 - x$



5. $y > x - 4$
 $2x + y \leq 2$

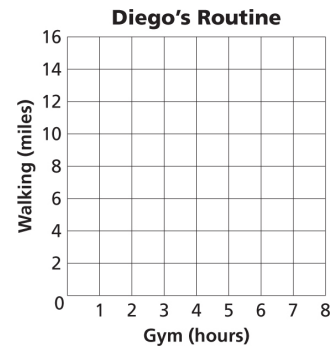


6. $2x - y \geq 2$
 $x - 2y \geq 2$



7. **FITNESS** Diego started an exercise program in which each week he works out at the gym between 4.5 and 6 hours and walks between 9 and 12 miles.

- Make a graph to show the number of hours Diego works out at the gym and the number of miles he walks per week.
- List three possible combinations of working out and walking that meet Diego's goals.



8. **SOUVENIRS** Emily wants to buy turquoise stones on her trip to New Mexico to give to at least 4 of her friends. The gift shop sells stones for either \$4 or \$6 per stone. Emily has no more than \$30 to spend.

- Make a graph showing the numbers of each price of stone Emily can purchase.
- List three possible solutions.

