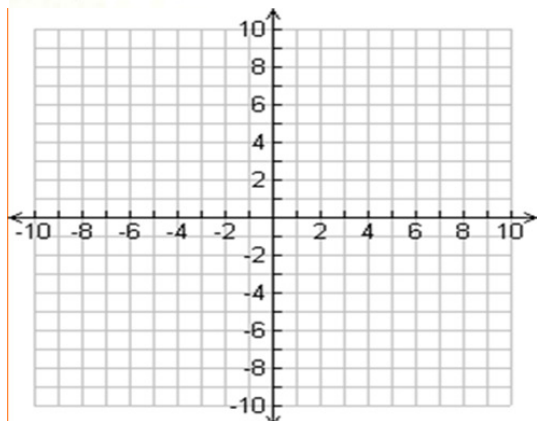


Practice 7-5

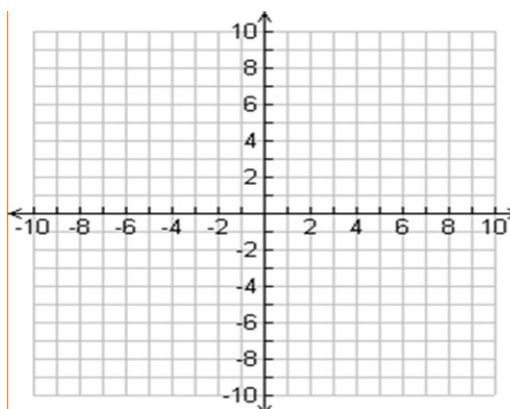
Linear Inequalities

Graph each linear inequality.

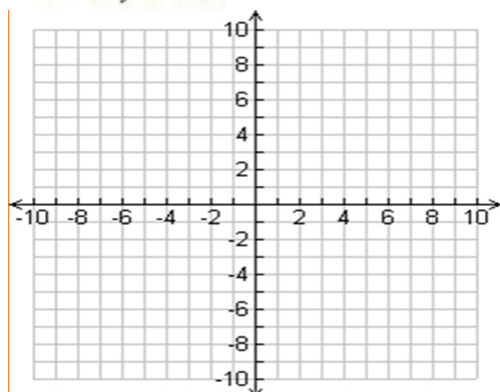
1. $y \geq -4$



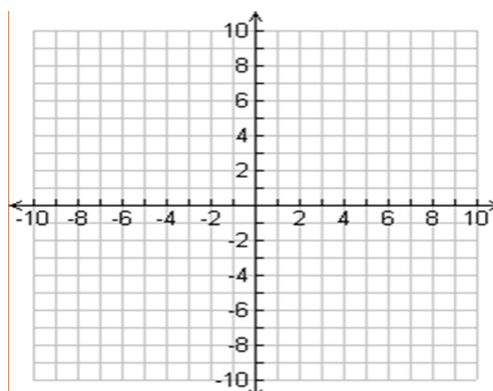
2. $x > 2$



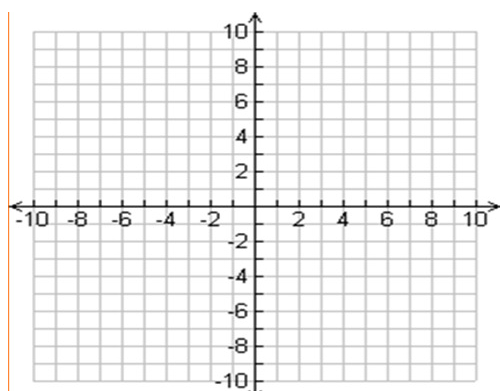
3. $-3x + y \leq -3$



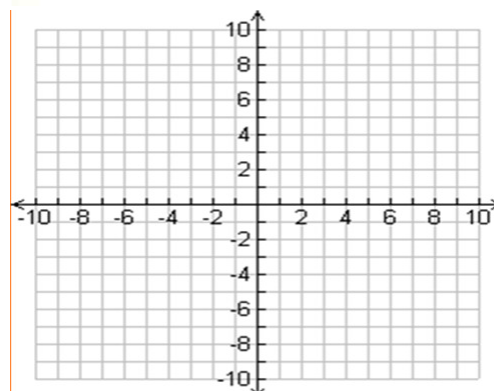
4. $x - y > 4$



5. $y \leq \frac{3}{4}x + 1$

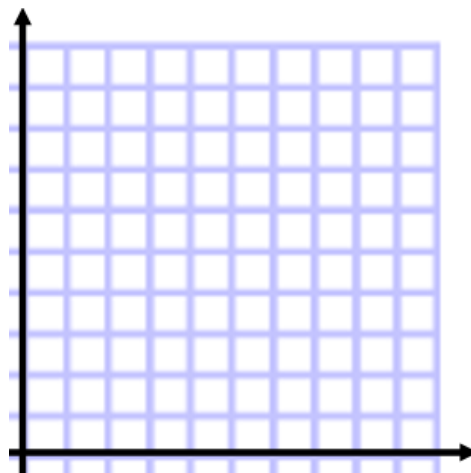


6. $y > -x + 2$



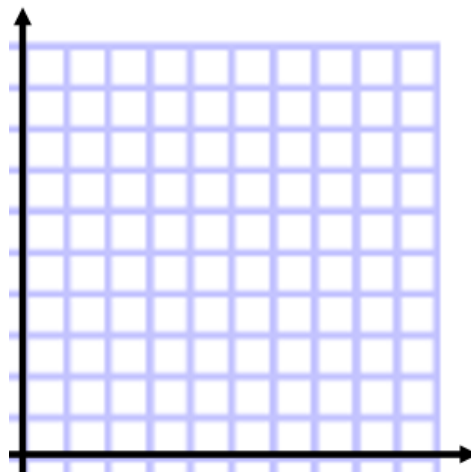
7. Suppose your class is raising money for the Red Cross. You make \$5 on each basket of fruit and \$3 on each box of cheese that you sell. How many items of each type must you sell to raise more than \$150?

- Write a linear inequality that describes the situation.
- Graph the inequality.
- Write two possible solutions to the problem.



8. Suppose you intend to spend no more than \$60 buying books. Hardback books cost \$12 and paperbacks cost \$5. How many books of each type can you buy?

- Write a linear inequality that describes the situation.
- Graph the inequality.
- Write two possible solutions to the problem.



9. Suppose that for your exercise program, you either walk 5 mi/d or ride your bicycle 10 mi/d. How many days will it take you to cover a distance of at least 150 mi?

- Write a linear inequality that describes the situation.
- Graph the inequality.
- Write two possible solutions to the problem.

