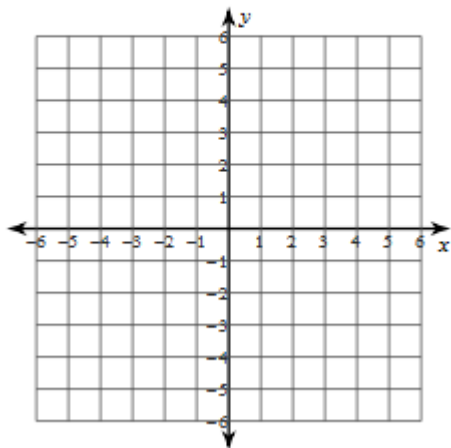


Name: _____

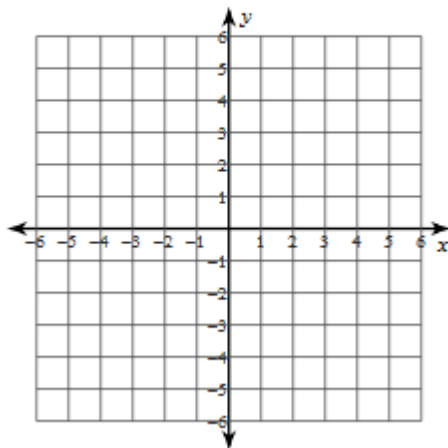
Period: _____

Solve Systems of Inequalities Unit Review

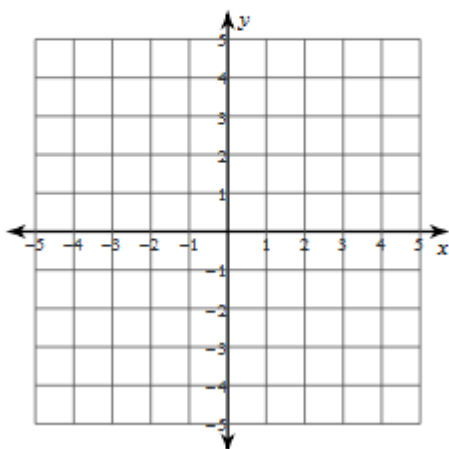
1) $y > -\frac{3}{5}x + 2$



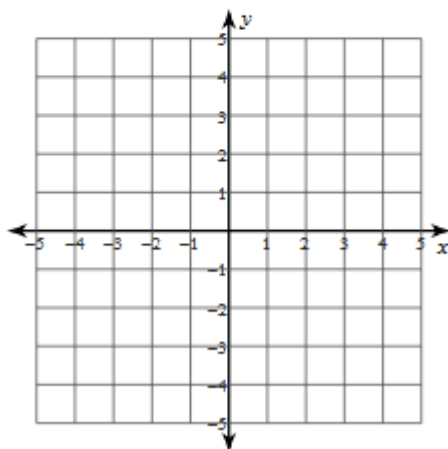
2) $y \leq \frac{3}{2}x + 2$



3) $y \leq \frac{1}{2}x - 3$
 $y > -2x + 2$



4) $y \leq \frac{1}{3}x + 2$
 $y < \frac{4}{3}x - 1$



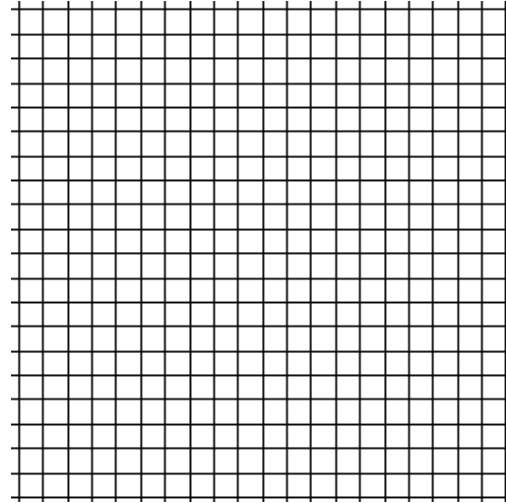
Name: _____

Period: _____

5. You can work at most 20 hours next week. You need to earn at least \$92 to cover your weekly expenses. Your dog-walking job pays \$7.50 per hour and your job as a car wash attendant pays \$6 per hour.

a. Write a system of linear inequalities to model the situation.

b. Graph the system of inequalities

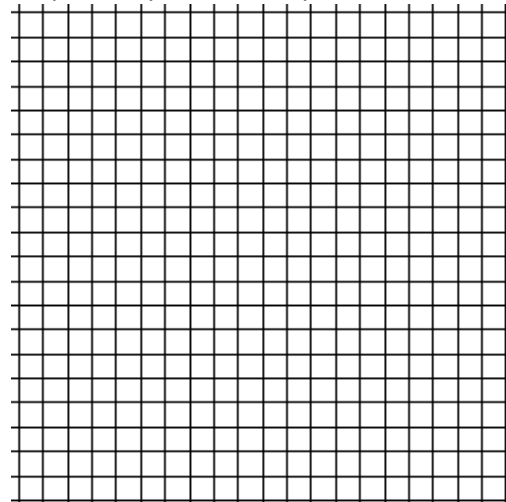


c. Give a possible combination of hours walking dogs and as a car wash attendant.

6. John is doing a fundraiser for school. He needs to sell at least \$200 worth of items. Shirts cost \$10 each and hats cost \$8 each. He must sell more than 12 hats.

a. Write a system of linear inequalities to model the situation.

b. Graph the system of inequalities



c. Give a possible combination shirts and hats that could be sold.