Name _____ Period_____

Review: Systems of Linear Equation

Solve the problem below by **elimination:**

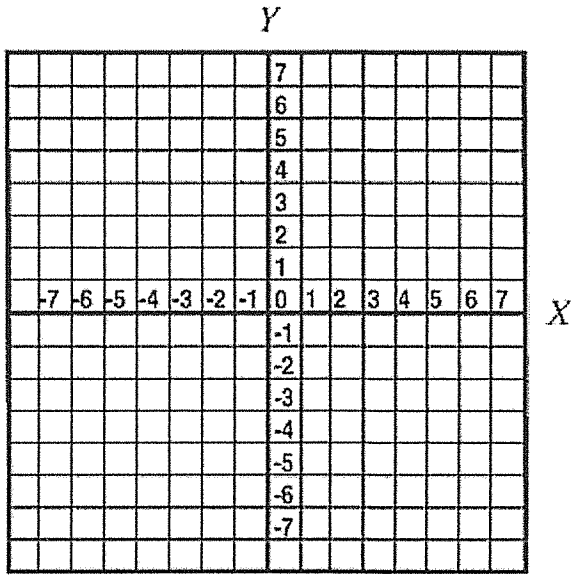
1. $-3x + 6y = 12$

   $2x + y = -3$

Solve the problem below using **graphing**:

2. $y = -\frac{3}{2}x + 2$

   $y = \frac{1}{2}x - 2$



Solve the problem below using **substitution**:

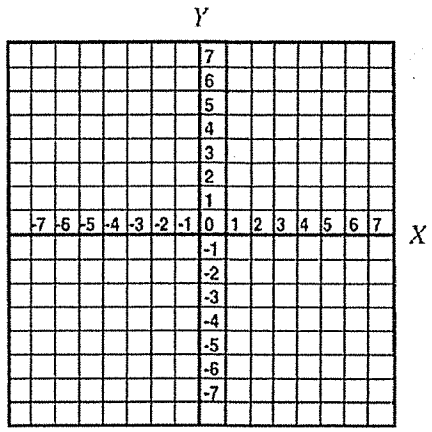
3. $y = -3x + 5$
   $8x + 2y = 4$

4. The sum of 2 numbers is 22. One-half the first number plus one-fourth the second number is 9. Find the two numbers.

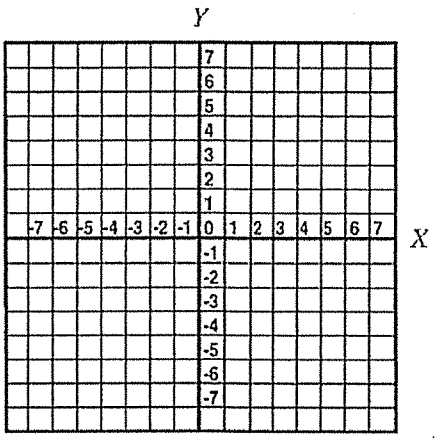
5. Seven hamburgers and four sodas cost $27.35. Four hamburgers and five sodas cost $18.75. Find the cost of each.

Solve each problem using **one** of the 3 methods, use a graph only if needed. Don't forget to write the solution!

A. $y = 4x - 2$
$y = -3x + 5$

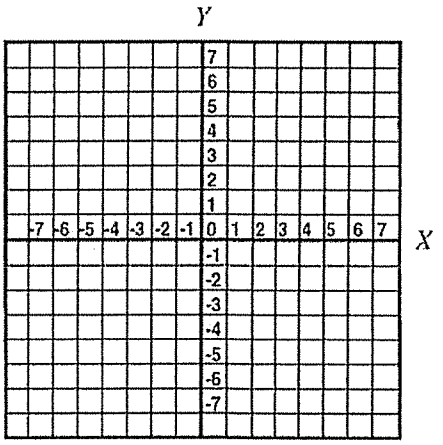


B. $-2x + y = 18$
$-x + 3y = 4$



C. $y = 3x - 6$

$-3x + y = -6$



D. $3x - 2y = -1$

$y = 2x - 3$