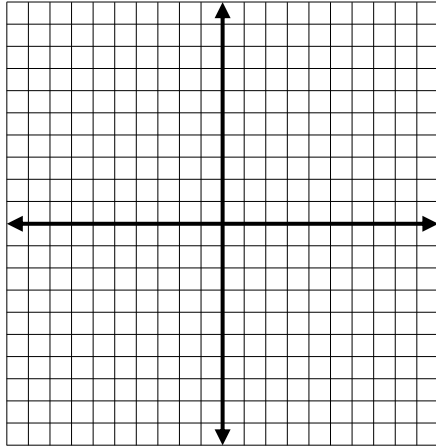


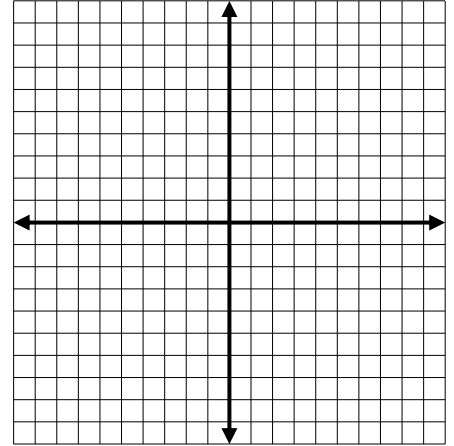
Graph the following systems of equations and find the solution to the system of equations.

1. $y = x + 4$
 $-2x + 2y = 8$



Solution: _____

2. $3y = -6x + 9$
 $y = -2x - 1$



Solution: _____

Solve the system of equations. Decide if it has one solution, all solutions, or no solution.

3. $4x + y = 3$
 $12x + 3y = 9$

4. $y = -x + 5$
 $x + y = -12$

Solve the systems of equations using WHATEVER method you want! Explain WHY you picked the method you picked.

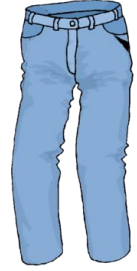
5. $x = -4y$
 $3x + 2y = 20$

6. $2x + 5y = 3$
 $-x + 3y = -7$

7. **Application Problem:** A store sold 32 pairs of jeans for a total of \$1050. Levi's sold for \$30 per pair and Sevens sold for \$35 a pair. How many of each brand were sold?

a) Identify the variables:

b) Write the system of equations and solve:



c) Solution:

Find the solution of each system using a graphing calculator. Round to the nearest hundredth.

8. $y = 0.2x + 3.5$
 $y = 0.4x + 9.5$



9. $y = 3.2x + 4.5$
 $y = -8.7x - 6.1$

Self Reflect:

- ✓ How do you feel about solving systems of equations?
- ✓ What part are you the MOST confident with? What part are you the LEAST confident with?
- ✓ What are you going to do to prepare for the Quiz on Monday?