

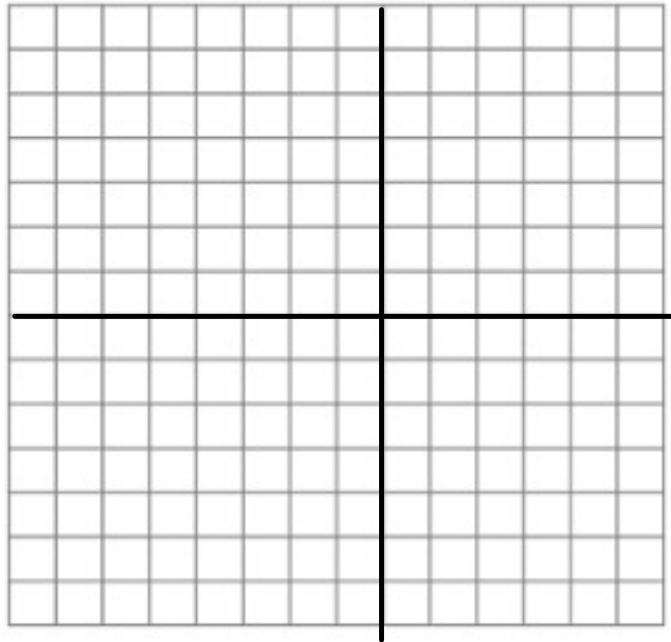
Name: _____

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CW # 3-2: Algebra 1 - Solve Systems of Equations Review for Test (chapter 7)

50 points

$$-x + 3y = 6 \text{ and } 4x + 3y = -9$$



2. Solve the following system of equations by **substitution method**. Be sure to show all work.

$$-4x - 2y = 8$$

$$-2x + y = 20$$

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CW # 3-2: Algebra 1 - Solve Systems of Equations Review for Test (chapter 7)

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3. Solve the following system of equations by **elimination method**. Be sure to show all work.

$$3x + y = 4$$

$$3x - 4y = 14$$

4. Solve the following system of equations by **elimination method**. Be sure to show all work.

$$5x + 4y = -14$$

$$3x + 6y = 6$$

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Date: _____

CW # 3-2: Algebra 1 - Solve Systems of Equations Review for Test (chapter 7)

50 points

Write and solve a system of equations.

Brenda's school is selling tickets to a spring musical. On the first day of ticket sales the school sold 3 senior citizen tickets and 9 child tickets for a total of \$75. The school took in \$67 on the second day by selling 8 senior citizen tickets and 5 child tickets. What is the price each of one senior citizen ticket and one child ticket?

6. Solve the system of Inequalities by graphing. When you complete the graphing, state one ordered pair that would be a solution tot the system. Be sure to show all work and to label all information.

$$3x + 2y \geq -2$$

$$x + 2y \leq 2$$

