Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Use the following to review for you test. Work the Practice Problems on a separate sheet of paper if needed.** |
| **What you need to know & be able to do** | **Things to remember** | **Problem** | **Problem** |
| Find the solution of a system of linear equations by **graphing**. | * Get “y” by itself.
* Identify the slope (m) and the y-int (b)
* y = mx + b
* Check your answer!
 | 1.

 | 1.

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| Find the solution of a system of linear equations by **substitution**. | * Solve one of the equations for a variable (either x or y).
* Substitute into the other equation.
* Plug back into the ORIGINAL!
* Check your answer!
 | 1.
 | 1.
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| Find the solution of a system of linear equations by **elimination**. | * Decide which variable you want to get rid of.
* Make sure the coefficients are opposite
* Add the two equations.
* Solve for the variable.
* Substitute back into the original.
* Check your answer!
 | 1.
 | 1.
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| Find the solution of a system of linear equations by **the best method**. | * Check if a pair is already opposite for elimination.
* Check to see if either equation is already solved for a variable for substitution.
* Check to see if the equations are already in slope-intercept form.
 | 1.
 | 1.
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| Solving a System of Linear Equations Word Problem | * Define x and y.
* Set up two equations.
* Decide the best method.
* Solve.
* End with words!
 | 1. Amy’s school is selling tickets to a choral performance. A senior citizen’s ticket is $6 and a child’s ticket is $15. If they made $810 dollars and sold a total of 72 child and senior citizen tickets, how many of each ticket did they sell?
 | 1. The band is selling wrapping paper for a fundraiser. Customers can buy rolls of plain wrapping paper and rolls of shiny wrapping paper. The band sold a total of 55 rolls and made $950. If a roll of plain costs $14 and a roll of shiny costs $20, how many rolls of each did they sell?
 |
| Graphing a system of linear inequalities. | * Make sure both equations are in slope-intercept form.
* Decide if the lines will be solid or dashed.
* Graph the lines.
* Test a point-typically (0,0).
* Shade appropriately.
 | 1.

 | 1.

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