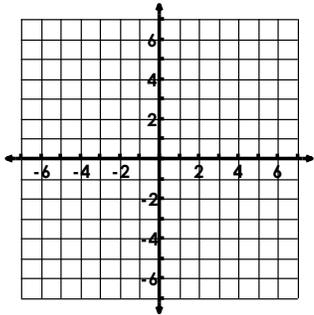
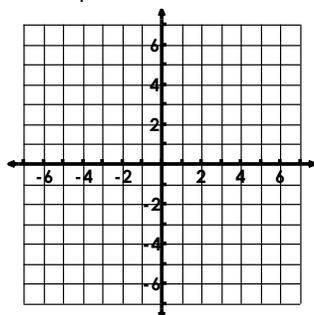
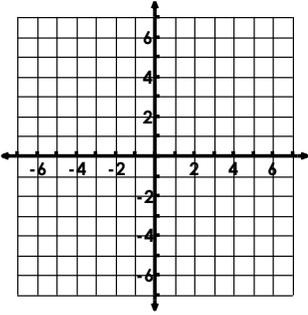
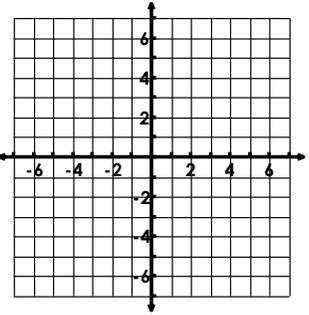


Name: _____

Date: _____

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
Identify and apply the properties of equality.	Study your property sheet! Papers: 2.1	1. Which property is illustrated by the following: $\frac{6}{5} \cdot \frac{5}{6} = 1$	2. What is an example of the distributive property?
Find the solution of a system of linear equations by graphing .	<ul style="list-style-type: none"> • Get "y" by itself. • Identify the slope (m) and the y-int (b) • $y = mx + b$ • Check your answer! 	3. $y = -x - 2$ $x + y = 3$ 	$y = x + 2$ 4. $y = \frac{1}{4}x - 1$ 
Find the solution of a system of linear equations by substitution .	<ul style="list-style-type: none"> • 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! 	5. $-7x + 8y = 6$ $x = -4y - 6$	6. $8x + 2y = 16$ $x - y = 7$
Find the solution of a system of linear equations by elimination .	<ul style="list-style-type: none"> • 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! 	7. $-2x - 8y = 6$ $2x + 6y = -6$	8. $12x - 8y = 12$ $6x - 7y = -12$

<p>Find the solution of a system of linear equations by <u>the best method.</u></p>	<ul style="list-style-type: none"> • 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. 	<p>9. $-3x + y = 17$ $8x + 7y = 3$</p>	<p>10. $3x - 3y = -3$ $-5x + 9y = 29$</p>
<p>Solving a System of Linear Equations Word Problem</p>	<ul style="list-style-type: none"> • Define x and y. • Set up two equations. • Decide the best method. • Solve. • End with words! 	<p>11. 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?</p>	<p>12. 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?</p>
<p>Graphing a system of linear inequalities.</p>	<ul style="list-style-type: none"> • 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. 	<p>13. $y > -2x - 3$ $y \leq \frac{1}{2}x + 2$</p> 	<p>14. $y \leq x + 1$ $y < -x - 3$</p> 

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