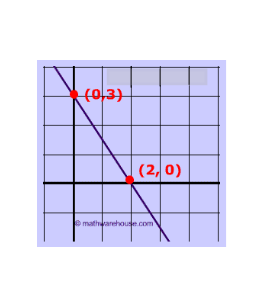
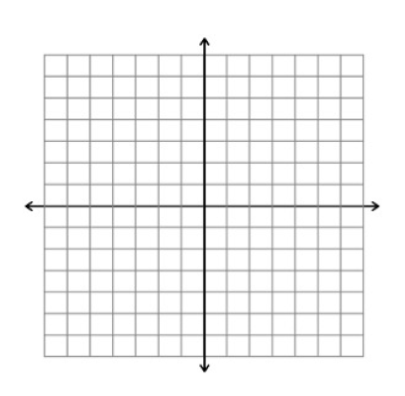
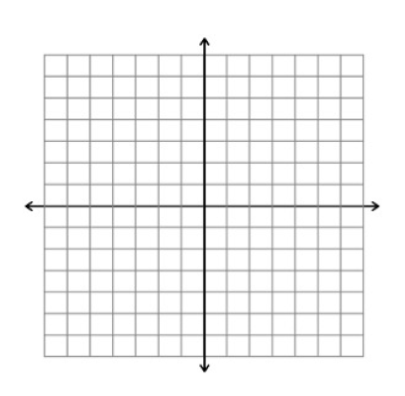
name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_\_\_ Week x Week #27: 3/24 – 3/30, 2017

Solve each problem. Make sure that you show ALL WORK involved in solving the problem in order to get full credit.

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| What is the slope of the line graphed above?  What is the y-intercept of the line  graphed above?  Write the slope-intercept equation of the line graphed above. | A hot air balloon rises 350 feet in 5 minutes. What is the balloon’s ascent rate in feet per minute?  Write an equation to represent the total feet, *d*, that the balloon will rise for any number of minutes, *m*.  How many minutes will it take for the balloon to ascend 3500 feet?  How high will the balloon ascend after 27 minutes? | Triangle ABC has vertices (4,2), (0,6), and (3,-2).   * Graph the pre-image on the coordinate plane above. * What will the coordinates of the vertices be after the image is rotated 180o around the origin? * Graph the image on the coordinate plane above. |

name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_\_\_ Week x Week #27: 3/24 – 3/30, 2017

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| In the table below, y is a linear function of x.  What is the slope of the line?  What is the value of y when  x = 0?  What is the equation of the line that crosses these points?  What is the value of y when x = 10?   |  |  | | --- | --- | | x | y | | 3 | 7 | | 5 | -3 | | 7 | -13 | | Write the following linear equation in slope-intercept form:  3x – 6y = 10  NO CALCULATOR!!!!  What is the sum of all the integers between and .  Hannah is buying a skirt that originally costs $45.50. It is on sale for 30% off the original price. What is the sale price of the skirt? | *What is the distance between the points (0, 3) and (2, 0)? (Use the graph to help you find the distance!!!)*  🡨There is a 7% sales tax on the skirt that Hannah wants to buy. What will the final price of the skirt be, including tax? |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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