name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_ Week x Week #24: 3/3 – 3/10, 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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| http://cnx.org/content/m22014/latest/C06_S6-4_P266_001.png  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 ski lift has a horizontal length of 662 meters and a vertical height of 152 meters. Find the length of the ski lift, rounded to the nearest hundredth of a meter.*  A line passes through the points (5,8) and (0, 5). Write the equation of this line in slope-intercept form. | *Simplify. There should be NO negative exponents!*   * ((b2)4)10 * b-9 • b4 * (m6n-2)2 * a5 • a3 • a-2 |

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| At a local sports store, it costs $25.50 per day to rent camping equipment plus an additional $50 rental fee.  Write an equation relating the total cost, C, to the number of days, d, that the equipment is rented.    If the total bill comes to $203.00, for how many days did Majesty rent the camping equipment?  If Majesty rents camping equipment for 3 days, what will his total bill be? | Solve:  5(t + 7) = 2(2t + 7)  The treasure map said to start at the old oak tree, walk 50 paces south, then 35 paces west, then dig. What is the straight-line distance (in paces) from the tree to the treasure?  Points A (-4,3) and B (10,-9) are translated nine units right and three units down. What are the coordinates of these points after the translation? | | *Solve:*  *8k – 4 – 3k – 17 = -21*  Image result for blank graphGraph the line: | |
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