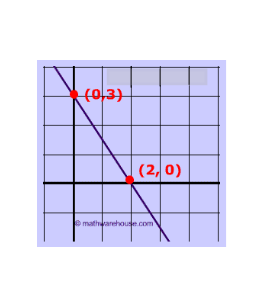
name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_\_\_ Week x Week #27M1: 3/24 – 3/30, 2017

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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| Write the equation for the line graphed above in all three forms:  Slope-intercept \_\_\_\_\_\_\_\_\_\_\_\_\_\_  Point-slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Standard \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **🡨 *Use the previous graph:***  Write the equation for the line that is perpendicular to the line graphed here 🡨 and goes through the point (-1,1).  Slope-intercept \_\_\_\_\_\_\_\_\_\_\_\_  Point-slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Standard \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Find the product:  (m2 – 5m + 4)(m2 + 7m – 3) | Mr. Childs received a job as a teacher with a starting salary of $34,000. According to his contract, he will receive a 1.5% increase in his salary every year. How much will Mr. Childs earn in 7 years?  If h(t) = -16t2 + 95t + 6, find:   * h(3)   If g(x) = 4x2, find:   * 2[g(2)] + 7 * 3[g(m)] |

name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_\_\_ Week x Week #27M1: 3/24 – 3/30, 2017

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| *Simplify.*  Two camels pass each other in the Solve:  desert, going in opposite directions.  The rate of one camel is 3 km/h  faster than the rate of the other.  Four hours later, the camels are  68 km apart. Find the rate of the  faster camel. | *Factor each expression:*  *• n2 – 28n + 75*  *• x2 – 14xy + 13y2*  *• p2 – 8p – 20*  *• a2 – 18ab – 40b2*  *• 75a5b3 + 30a3b5 – 60ab7*  *• 20b4 – 45c2*  *• 3w6 – 9w4 + 3w2* |
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