name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ block \_\_\_\_\_ Week x Week #26M1: 3/17 – 3/24, 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 of Line 1 in slope-intercept form:Write the equation of Line 2 in standard form: | The number of people who own computers has increased 23.2% annually since 1990. If half a million people owned a computer in 1990, predict how many people will own a computer in 2017.*If , find the value of .* | Solve: 3x – 5y = 11 5(x + y) = 5Simplify each expression completely:• • •  |

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| What is the standard equation of a line that passes through the points (5, -2) and (0, -10)?Factor each polynomial completely:• 12x2 – 11xy – y2• 8k2 + 25k + 3• 15c3 – 65c2 + 50c | Solve:2w2 + 11w = 30A line passes through the point (2,-6) and is parallel to the line that has the equation 6x – 2y = -1. Write the equation of this line in:Point-Slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Slope-Intercept \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Standard \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | *Factor:**3x3 + 8x2 – 15x – 40* *12a3 – 75a*Given the equation: Find the slope of the line:Find the y-intercept of the line: |
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