**Basic Algebra II Weekly Plan Jan. 4th to Jan. 8th , 2016**

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| Day | In Class | Assignment |
| Monday  Jan. 4th  N.VM.10  N.VM.12  G.CO.5 | Today’s Goal: To learn about determinants and Crammer’s rule.   * Section 4-4 * Finding a determinant of a 2x2 * Cramer’s Rule for 2x2 * Finding a determinant of a 3x3 * Cramer’s Rule for 3x3 * Coefficient Matrix   ELO: Solve equations and inequalities from different families | Homework 4-4 B  p. 274  #8-12  C:\Documents and Settings\beth.sanborn\Local Settings\Temporary Internet Files\Content.IE5\MJBBRSEO\MC900436236[1].png |
| Tuesday  Jan. 5th  N-VM-9  N-VM-10  A.REI.9 | Today’s Goal: To learn about matrix inverses and how to use them to solve systems of equations.   * Section 4-5 * Determining if matrices are inverses * Finding the inverse of a matrix * Solving systems of equations with matrix inverses   ELO: Solve equations and inequalities from different families | Homework 4-5 A  p. 282  #2-8 |
| Wednesday  Jan. 6th  N-VM-9  N-VM-10  A.REI.9 | Today’s Goal: To learn about determinants and Crammer’s rule.   * Section 4-4 * Finding a determinant of a 2x2 * Cramer’s Rule for 2x2 * Finding a determinant of a 3x3 * Cramer’s Rule for 3x3 * Coefficient Matrix | Homework 4-5 A  p. 282  #9-12 |
| Thursday  Jan. 7th | Today’s Goal: To learn about using Khan Academy for preparing for the SAT.   * SAT Test Prep |  |
| Friday  Jan. 8th | Today’s Goal: To excel on the chapter 4 quiz.   * Quiz 4-3 to 4-5 |  |

**Chapter 4 Test will be next week. Make sure all chapter 4 homework is in.**

**Common Core Standards:**

**N.VM.9:** Understand that, unlike multiplication of numbers, matrix multiplication for square matrices is not a commutative operation, but still satisfies the associative and distributive properties.

**N.VM.10:** Understand that the zero and identity matrices play a role in matrix addition and multiplication similar to the role of 0 and 1 in the real numbers. The determinant of a square matrix is nonzero if and only if the matrix has a multiplicative inverse.

**A.REI.9**: (+) Find the inverse of a matrix if it exists and use it to solve systems of linear equations (using technology for matrices of dimension 3 × 3 or greater).