**Basic Algebra II Weekly Plan Dec. 14 to Dec. 18, 2015**

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| Day | In Class | Assignment |
| Monday  Dec. 14th  N.VM.10  N.VM.12  G.CO.5 | Today’s Goal: To learn about using a calculator to do matrix math.   * Inputting matrices * Operations with matrices | Finish calculator activity |
| Monday  Dec. 15th  N.VM.10  N.VM.12  G.CO.5 | Today’s Goal: To learn about using a calculator to do matrix math.   * Inputting matrices * Operations with matrices | Practice WS |
| Wednesday  Dec. 16th  A.CED.2  A.CED.3  A.REI.6  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 4-4 A  p. 274  #2-7 |
| Thursday  Dec. 17th | Today’s Goal: To learn about holiday shopping.   * Catalog Shopping Activity |  |
| Friday  Dec. 18th | Today’s Goal: To enjoy a holiday math activity.   * Happy Holidays | C:\Program Files\Microsoft Office\MEDIA\CAGCAT10\j0183290.wmf |

**Common Core Standards:**

**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.

**N.VM.12:** Multiply a vector (regarded as a matrix with one column) by a matrix of suitable dimensions to produce another vector. Work with matrices as transformations of vectors.

**G.CO.5:** Given a geometric figure and a rotation, reflection, or translation, draw the transformed figure using, e.g., graph paper, tracing paper, or geometry software. Specify a sequence of transformations that will carry a given figure onto another.