Carroll High School – Lesson Plans
Teacher: Tracy Hawkins – Week of 11/26/18 to 11/30/18

Subject: Algebra II w/Trig	Monday	Tuesday	Wednesday	Thursday	Friday
ACCRS:	7 – 11 – Perform operations on matrices and use matrices in applications; Use matrices to manipulate data; add, subtract and multiply matrices; understand matrix multiplication is not a commutative operation	7 – 11 – Perform operations on matrices and use matrices in applications; Use matrices to manipulate data; add, subtract and multiply matrices; understand matrix multiplication is not a commutative operation	7 – 11 – Perform operations on matrices and use matrices in applications; Use matrices to manipulate data; add, subtract and multiply matrices; understand matrix multiplication is not a commutative operation	7 – 11 – Perform operations on matrices and use matrices in applications; Use matrices to manipulate data; add, subtract and multiply matrices; understand matrix multiplication is not a commutative operation	7 – 11 – Perform operations on matrices and use matrices in applications; Use matrices to manipulate data; add, subtract and multiply matrices; understand matrix multiplication is not a commutative operation
Before:	*Answer questions on Test	*Entrance Slip on Adding/Subtracting	*Answer questions on worksheet *Students will take a quiz on Adding, subtracting and multiplying matrices	* Teacher will answer questions on homework	*Entrance Slip on Area of Triangle problem
During:	*Teacher will work with students to understand what a matrix is and to add or subtract matrices	*Teacher will work with students to learn how to multiply matrices *Think, Pair, Share problems	*Students will take a quiz on Adding, Subtracting, and Multiplying Matrices	*Teacher will work with students on evaluating determinants and using determinants to find the area of triangles	*Teacher will work with students on using Cramer's Rule to solve systems of equations
After:	*Stamp Activity *Students will work independently on adding/subtracting matrices	*Students will work independently on multiplying matrices	*None	*Students will work independently on evaluating determinants and finding the area of triangles using determinants	*Students will do Around the room Activity on problems using Cramer's rule to solve systems of equations
Desired Outcome:	Students will understand what a matrix is and be able to add or subtract them	Students will be able to multiply matrices	Students will be able to add, subtract, and multiply matrices	Students will be able to evaluate determinants and use determinants to find the area of triangles	Students will be able to use Cramer's rule to solve systems of equations
Formative/ Summative:	*Stamp Activity *Feedback during lesson	*Feedback during lesson and Think, Pair, Share	*Quiz-Add/Subt/Mult Matrices	*Feedback during lesson	*Feedback during lesson and around the room
Higher Order Questions:	*How can you use a matrix to organize data? *How do you add and subtract values in matrices?	*How do you find the product of two matrices?	*What still confuses you about adding, subtracting, and multiplying matrices?	*Do all matrices have determinants? *What are the two uses of determinants?	*What is Cramer's rule? *How do you use Cramer's rule to solve systems of equations?
Homework	Page 175 (#2-12) Page 177 (33)	Page 183 (#1-11)	None	Page 194 (1-10; 17) & Page 195 (49)	Around the Room Problems Page 194 (13-16; 39-42)