

Carroll High School – Lesson Plans

Teacher: Tracy Hawkins – Week of 12/3/18 to 12/7/18

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	26 – Find the inverse of a matrix if it exists and use it to solve systems of linear equations	26 – Find the inverse of a matrix if it exists and use it to solve systems of linear equations
Before:	*Warm ups using Cramer’s Rule on Systems in 2 variables	*Entrance Slip on Cramer’s Rule and Determinants	*Answer questions on homework	*Quiz questions	*Warm up on Inverse vocabulary
During:	*Teacher will work with students on using Cramer’s Rule to solve systems of equations in 3 variables	*Students will work on extra practice on Solving Systems of equations with Cramer’s Rule and finding determinants	*Students will take a quiz on determinants and using determinants to find area and solve systems of equations using Cramer’s Rule	*Teacher will work with students to learn how to find inverse matrices/ to use inverse matrices to solve systems of equations * Think, Pair, Share Activity	*Students will work on extra practice finding inverse matrices and using inverse matrices to solve systems of equations *Stamp Activity
After:	*Students will work independently on solving systems of equations in 3 variables	*Students will work independently on solving systems of equations using Cramer’s rule and finding determinants	*Work on Khan Academy work	*Students will work independently on finding inverse matrices and using the inverse to solve systems of equations	*Students will work independently on finding inverse matrices and using the inverse to solve systems of equations
Desired Outcome:	Students will be able to use Cramer’s rule to solve systems of equations	Students will be able to use Cramer’s rule to solve systems of equations and find determinants and use them to find area	Students will be able to find determinants and be able to use them to find area and solve systems of equations using Cramer’s Rule	Students will understand what an inverse matrix is and how to use it to solve systems of equations	Students will understand what an inverse matrix is and how to use it to solve systems of equations
Formative/ Summative:	*Feedback during lesson	*Feedback during practice	*Feedback *Quiz on Cramer’s Rule and determinants	*Feedback during lesson	*Stamp Activity
Higher Order Questions:	*What is Cramer’s rule? *How do you use Cramer’s rule to solve systems of equations?	*What still confuses me about Cramer’s Rule? *What still confuses me about determinants and using them to find area?	*What still confuses me about determinants and how to use them for problem solving?	*What is the identity of multiplication?	*What still confuses me about inverse matrices? *What still confuses me about using inverse matrices to solve systems of equations?
Homework	Page 194 (20-23)	Finish Extra Practice	None	Page 202 (1-12)	Stamp Activity