

Carroll High School – Lesson Plans

Teacher: Tracy Hawkins - Week of 9-10-18 to 9-14-18

Subject: Algebra II w/Trig	Monday	Tuesday	Wednesday	Thursday	Friday
ACCRS:	*13-Use the structure of an expression to identify ways to rewrite it *21 –Create equations in 2 or more variables *34 - Identify the effect of a graph	*13-Use the structure of an expression to identify ways to rewrite it *21 –Create equations in 2 or more variables *34 - Identify the effect of a graph	*13-Use the structure of an expression to identify ways to rewrite it *21 –Create equations in 2 or more variables *34 - Identify the effect of a graph	*13-Use the structure of an expression to identify ways to rewrite it *21 –Create equations in 2 or more variables *34 - Identify the effect of a graph	*34 – Identify the effect on the graph of replacing $f(x)$ by $f(x) +k$, $kf(x)$, $f(kx)$ and $f(x+k)$ for specific values of k (both positive and negative)
Before:	Warm Up – How does h and k affect the movement of the graphs?	Discuss Exit/Entrance Slip – What still confuses you about translations? - What do you really get?	Go over quiz on translations	Answer questions on Review Sheet	Go over Test on Literal Equations, Interval Notation, and Translations
During:	*Students will finish investigating translations of graphs (Problems 13-16)	*Students will do some extra practice on translations to make sure they understand the movements and how to write the equations when given the movements *Quiz on Translations	*Students will work on review problems for test on literal equations, interval notation, and translations	*Students will take a test on literal equations, interval notation, and translations	*Teacher will work with students on graphing a function using a table of values (Problem 1 on Transformations Lesson)
After:	*Key points from group work	*None	*None	*None	*Talk about the effect of each of the added elements
Desired Outcome:	Students will understand how to graph linear functions and start to understand translations of them	Students will understand how to graph linear functions and the translations of them and how to use the translations to write equations	Students will be able to solve literal equations, use interval notation correctly, and understand translations of linear functions	Students will be able to solve literal equations, use interval notation correctly and understand translations of linear functions	Students will understand how to graph functions using a table of values and start to connect the symbolic transformations of functions to their graphs
Formative/ Summative:	*Feedback during group work	*Entrance Slip *Quiz on Translations	*Feedback during review work	*Test on Equations/Interval Notation/Translations	*Feedback during lesson
Higher Order Questions:	*What still confuses me about translating graphs of linear functions?	*None	*What still confuses me?	*What still confuses me?	*What do you notice about transformations of this function compared to linear functions?
Homework:	Exit/Entrance Slip	None	Finish Review Problems	None	Finish Number 1 if necessary