Carroll High School – Lesson Plans
Teacher: Tracy Hawkins - Week of 9-17-18 to 9-21-18

Subject: Algebra II w/Trig	Monday	Tuesday	Wednesday	Thursday	Friday
ACCRS:	*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)	*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)	*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)	*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)	*28 – For a function that models a relationship between 2 quantities, interpret key features of graphs and sketch graphs using key features
Before:	Go over Test on Literal Equations, Interval Notation, and Translations	Warm Up – Graph 2a on a piece of graph paper	Go over homework problems	Mrs. Williams will come in and teach the students how to use the graphing calculators	Question: What does reflection across the origin look like?
During:	*Teacher will work with students on graphing a function using a table of values (Problem 1 on Transformations Lesson)	*Students will finish investigating transformations by completing problems 2 in their groups	*Teacher will work through Problem 3 & 4 with students to see if they have comprehended the different transformations	*Students will use the graphing calculators within their groups to check their graphs from Problem #4	*Teacher will work with students on discovering what represents even/odd functions doing problems 1, 3, 5, 7, & 9 using graphing calculators to check their answers
After:	*Talk about the effect of each of the added elements	*Key points from group work (Transformations learned)	*Talk about what transformations they should understand	*None	*Students will work in groups completing even/odd functions
Desired Outcome:	Students will understand how to graph functions using a table of values and start to connect the symbolic transformations of functions to their graphs	Students will understand how to graph functions using a table of values and start to connect the symbolic transformations of functions to their graphs	Students will understand the different transformations of a function and the effect they have on its graph	Students will be able to graph functions using a graphing calculator	Students will understand how to identify even/odd functions
Formative/ Summative:	*Feedback during lesson	*Feedback during group work	*Feedback during lesson	*Feedback during group work	*Feedback during lesson & group work
Higher Order Questions:	*What do you notice about transformations of this function compared to linear functions?	*What transformations have you learned from this lesson?	*What transformation are you having trouble remembering?	*Where your transformations correct?	*What makes a function even/odd?
Homework:	Finish Number 1 if necessary	Finish Problem 2	Homework Worksheet	None	None