



	Monday 8/21	Tuesday 8/22	Wednesday 8/23	Thursday 8/24	Friday 8/25
ACCRS (Objectives):	<i>#18 Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for complicated cases [F-IF7].</i> <i>#26 Determine amplitude, period, phase shift, domain, range of trig functions [AL].</i> <i>#29 Use special triangles to determine geometrically the values of sine, cosine, and tangent for 3π, 4π, and 6π, and use the unit circle to express the values of sine, cosine, and tangent for $\pi - x$, $\pi + x$, and $2\pi - x$ in terms of their values for x, where x is any real number [F-TF3].</i> <i>#30 Use the unit circle to explain symmetry (odd and even) and periodicity of trigonometric functions [F-TF4].</i>				
Before:	*Homework Questions	*Warm-Up (Review)	*Homework Review	*Test on Unit Circle Values (no calculator)	*Warm-Up (Review)
During:	*Lesson: Graphing sine and cosine (amplitude change)	*Lesson: Graphing sine and cosine (Period change)	*Finish graphing sine and cosine (amplitude/period change)	*ACT Trig problems	*Lesson: Graphing sine and cosine (horiz/vert shifts)
After:	*Group Collaboration Set *Finish Graphs for homework	*Group Collaboration Set *HW Set (amplitude and period)	*Stamp Activity (Right Triangles & Graphing sine and cosine)		*Group Collaboration Set *HW Set
Desired Outcome:	Students will be able to graph sinusoidal functions with an amplitude change.	Students will be able to graph sinusoidal functions with an amplitude or period change.	Students will be able to graph sinusoidal functions. Students will review right triangle problems and graphing sinusoidal functions.	Students will be able to find trig values on the unit circle w/o use of a calculator.	Students will be able to graph sinusoidal functions with an amplitude, period, or shift change.
Formative/ Summative:	Student questioning	Student questioning	Stamp Activity/student questioning	Test	Student questioning
Critical Questions:	<i>Explain how the amplitude affects the graph of sine and cosine. What are critical points and how do they help you graph sinusoidal functions?</i>	<i>Explain how the period affects the graph of sine and cosine. What are the effects on the critical points of the graph?</i>	<i>No new concepts taught.</i>	<i>No new concepts taught.</i>	<i>Explain how to determine whether a sine/cosine graph has a horizontal or vertical shift. How does this affect the critical points of the graph?</i>