



	Monday 8/28	Tuesday 8/29	Wednesday 8/30	Thursday 8/31	Friday 9/1
ACCRS (Objectives):	<p>#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].</p> <p>#26 Determine amplitude, period, phase shift, domain, range of trig functions [AL].</p> <p>#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].</p> <p>#30 Use the unit circle to explain symmetry (odd and even) and periodicity of trigonometric functions [F-TF4].</p>				
Before:	*Homework Review (Graphs 1-8)	*Stamp Activity	*Quiz (Graphing Sine and Cosine)	*Review Quiz	Student Holiday
During:	*Lesson: Horizontal Translations of Sine and Cosine	(Graphing sine and cosine functions)	*Lesson: Equations of Sine and Cosine Graphs	*Finish Lesson on Equations of Sine and Cosine Graphs *Activity: Trig Models	
After:	*Group Collaboration Set			*Group Collaboration Set /HW Set	
Desired Outcome:	Students will be able to graph horizontal translations of sine and cosine graphs.	Students will review graphing sine and cosine graphs (vertical/horizontal stretch, vertical and horizontal shifts)	Students will be able to write an equation from a sine or cosine graph.	Students will be able to write an equation from a sine or cosine graph. Students will be able to take a real world problems and use a trig function to model it.	
Formative/ Summative:	*Student questioning	*Stamp Activity/Student questioning	*Quiz/Student questioning	*Student questioning	
Critical Questions:	Explain how to determine if sine and cosine functions have been horizontally shifted.	Explain how the values of a , b , c and d affect the sine and cosine graphs.	Explain how to write an equation for a trig graph. Where the values of a , b , c , d come from?	Explain the types of real world problems sine and cosine functions model.	