

	Monday 9/11	Tuesday 9/12	Wednesday 9/13	Thursday 9/14	Friday 9/15
ACCRS	#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].				
(Objectives):	#26 Determine amplitude, period, phase shift, domain, range of trig functions [AL]. #27 Use the sum, difference, and half-angle identities to find exact values of trig functions. [AL] #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]. #30 Use the unit circle to explain symmetry (odd and even) and periodicity of trigonometric functions [F-TF4]. #33 Use the Pythagorean identity to find trig values. [AL]				
Before:			*Warm-Up:	*Review	*Lesson: Trig
			Equations of	Homework Set	Identities
			Sine/Cosine	(Group Collab)	
During:			*Lesson:	*Cumulative	*Activity: Proving
			Applications of	Review Problems	Trig Identities (1-
			Sine/Cosine	(Group	14)
				Collaboration)	,
After:			*Group	*Discuss/Review	*Group
			Collaboration Set	answers to	Collaboration/
			/HW Set	cumulative review	HW Set (Proving
				problems	Trig Identities)
Desired Outcome:			Students will be able to solve problems using sine/cosine graphs.	Students will review trig functions.	Students will be able to use trig identities to solve problems.
Formative/ Summative:			*Student questioning during lesson and group collaboration.	*Self-Assessment (cumulative review)	*Student questioning during lesson and group collaboration.
Critical Questions:			Explain how to write a trig equation to model a sinusoidal graph. How does this allow us to predict values.	n/a	Explain how trig identities can be used to prove an equation. Explain the reciprocal identities. Explain the Pythagorean identities.