

Honors Pre-Calc → Websites

Section	Learning Goal	Website
7-1: Measurement of Functions	Description of radian	http://no.khanacademy.org/math/trigonometry/basic-trigonometry/radians_tutorial/v/introduction-to-radians
	Convert radians to degrees	http://www.khanacademy.org/math/trigonometry/basic-trigonometry/radians_tutorial/v/radians-and-degrees
	Convert degrees to radians	http://www.khanacademy.org/math/trigonometry/basic-trigonometry/radians_tutorial/v/we-converting-degrees-to-radians
	Convert degrees, minutes and seconds	
	Find co-terminal angles	http://www.youtube.com/watch?v=dz5YpNFuhRQ#t=17
	Radian measure and arc length	http://no.khanacademy.org/math/trigonometry/basic-trigonometry/radians_tutorial/v/radian-measure-and-arc-length
7-2: Sectors of Circles	Find the arc length of a sector of a circle	http://www.youtube.com/watch?v=SlfRoDI3esA#t=72
	Find the area of a sector of a circle	http://www.youtube.com/watch?v=qzfCWXYodpw
	Apparent size	
7-3: Sine and Cosine Functions	The unit circle	http://www.youtube.com/watch?v=clVpemcoAIY
	Find the sine and cosine of quadrantal angles	
	Solve simple trig equations	
7-4: Evaluating and Graphing Sine and Cosine	Reference Angles	http://www.youtube.com/watch?v=qgGFQXnuszK
	Special Angles	
	Find the sine and cosine of special angles	http://www.khanacademy.org/math/trigonometry/basic-trigonometry/unit_circle_tut/v/finding-trig-function-values-using-unit-circle-definition
	Sine and Cosine Graphs	http://www.khanacademy.org/math/trigonometry/basic-trigonometry/trig_graphs_tutorial/v/we-graph--domain--and--range-of-sine-function http://www.khanacademy.org/math/trigonometry/basic-trigonometry/trig_graphs_tutorial/v/we-graph-of-cosine-function http://www.purplemath.com/modules/triggrph.htm
7-5: The Other	Find the sine, cosine,	

Trigonometric Functions	tangent, cosecant, secant, and cotangent of any angle	
	Solve simple trig equations	http://www.youtube.com/watch?v=4N5uFvNJsM#t=44 http://www.youtube.com/watch?v=L_9v2k0gSgI http://www.sosmath.com/algebra/solve/solve0/solvtrig.html
	Tangent, cosecant, secant, and cotangent graphs	http://www.xpmath.com/careers/images/4-14.gif
7-6: The Inverse Trig Functions	Find the value of an inverse trig function	
8-1: Simple Trig Equations	Inclination	http://www.brightstorm.com/math/precalculus/advanced-trigonometry/angle-inclination-of-a-line-concept/
	Solve trig equations	
8-2: Sine and Cosine Curves	Write the equations for sine and cosine curves	http://www.purplemath.com/modules/grphtrig.htm
8-3: Modeling Periodic Behavior	Use trig functions to model periodic behavior	
8-4: Relationships Among the Functions	Simplify trig identities	http://www.youtube.com/watch?v=FS6iQX7jY-s
8-5: Solving More Difficult Trig Equations	Solving Practice	http://www.youtube.com/watch?v=_gX1LOYpR8o http://www.youtube.com/watch?v=Hj3pBcf_ZfA