

**Unit 6 Trigonometry Part 3**

Date	Lesson/Topics	Khan Academy Videos/Exercise Sets		Done?
Mon/Tues 5/11-5/12	<b>Live Session:</b> <ul style="list-style-type: none"> <li>• Discuss any material from last week</li> <li>• Introduce new unit</li> </ul>			
	Lesson 1: Intro to radians	Video	Intro to radians (10min)	
		Video	Radians and degrees (7min)	
		Video	Degrees to radians (7min)	
		Video	Radians to degrees (3min)	
		Exercise	Radians and degrees (4 problems)	
		Video	Radian angles and quadrants (3min)	
	Lesson 2: The unit circle definition of sine, cosine and tangent	Video	Unit Circle (9min)	
		Video	The trig functions and right triangle trig ratios (6min)	
		Article	Trig unit circle review	
	Lesson 3: The graphs of sine, cosine and tangent	Video	Graph of $y=\sin x$ (9min)	
		Video	Graph of $y=\tan x$	
		Video	Intersection points of $y=\sin x$ and $y=\cos x$ (11min)	
	Delta Math Practice Assignment Unit6 #1	Exercise	Due by Friday May 15, 2020	
Wed/Thurs 5/13-5/14	<b>Live Session:</b> <ul style="list-style-type: none"> <li>• Answer questions for Lessons 1, 2 and 3</li> </ul>			
	Lesson 4: Basic trig identities	Video	Sine and cosine identities: symmetry (7min)	
		Video	Tangent identities: symmetry (7min)	
		Video	Sine and cosine identities: periodicity (6min)	
		Video	Tangent identities: periodicity (4min)	
	Lesson 5: Trig values of special angles	Video	Trig values of special angles (7min)	
		Exercise	Trig values of special angles (4 problems)	
	Lesson 6: The Pythagorean Identity	Video	Proof of the Pythagorean identity (6min)	
		Video	Using the Pythagorean identity (6min)	
		Exercise	Use the Pythagorean identity (4 problems)	
		Article	Pythagorean identity review	
	Quizizz Test Review	Exercise	Practice before you take the test!	
	<a href="#">Quizizz Review</a>			
	Friday 5/15	Unit 6 Test	Test	Due by Monday May 18, 2020