

Unit 7 Trigonometry Part 4 and Unit 8 Sequences and Series

Date	Lesson/Topics	Khan Academy Videos/Exercise Sets		Done ?	
Mon/Tues 5/25-5/26	Live Session: <ul style="list-style-type: none"> No live session Monday May 25- Memorial Day Holiday 				
	Lesson 7: Constructing sinusoidal functions	Video	Sinusoidal function from graph (5min)		
		Exercise	Construct sinusoidal functions (4 problems)		
		Video	Trig word problem: modeling daily temp (10min)		
		Video	Trig word problem: modeling annual temp (7min)		
		Exercise	Modeling with sinusoidal functions (4 problems)		
		Video	Trig word problem: length of day (7min)		
		Exercise	Modeling with sinusoidal functions: phase shift (4 problems)		
	Quiz	Quiz	Graphs of trig functions Quiz 2 (5 problems)		
	Unit 7 Test	Test	Graphs of trig functions Test (9 problems)	Due by 5/29	
	Begin Unit 8 Sequences and Series				
	Lesson 1: Arithmetic sequences	Video	Sequence intro (8min)		
		Video	Intro to arithmetic sequences		
		Exercise	Recursive formulas for arithmetic sequences (4 problems)		
		Exercise	Use arithmetic sequence formulas (7 problems)		
		Exercise	Extend arithmetic sequences (4 problems)		
		Exercise	Explicit formulas for arithmetic sequences (4 problems)		
		Video	Sequence word problem: growth pattern (8min)		
		Video	Explicit formulas for arithmetic sequences (6min)		
	Quiz	Quiz	Series: Quiz 1 (5 problems)		
	Wed/Thurs 5/27-5/28	Live Session: <ul style="list-style-type: none"> Answer questions from end of Unit 7 and lesson 1 from Unit 8 			
Lesson 2: Geometric sequences		Video	Intro to geometric sequences (10min)		
		Video	Intro to geometric sequences (advanced) (6min)		
		Exercise	Extend geometric sequences (4 problems)		
		Exercise	Extend geometric sequences: negatives & fractions (5 problems)		
		Exercise	Use geometric sequence formulas (4 problems)		
		Video	Explicit & recursive formulas for geometric sequences (5min)		
		Exercise	Explicit formulas for geometric sequences (4 problems)		
		Video	Converting recursive & explicit forms of geometric sequences (6min)		
		Exercise	Recursive formulas for geometric sequences (4 problems)		
		Exercise	Sequence word problems (4 problems)		
		Quiz	Quiz	Series: Quiz 2 (6 problems)	