

## Unit 5: Trigonometric Functions

*T2/T3: Demonstrate an understanding of periodic relationships and sinusoidal functions; make connections between numeric, graphical, and algebraic representations of sinusoidal functions; identify and represent sinusoidal functions; solve problems involving sinusoidal functions.*

Lesson	Exp	Topic	Homework
5.1	T2/3	Modelling Periodic Behaviour	p. 290 #1-3,6, 8-11,14,22
5.2	T2/3	The Sine Function and the Cosine Function	Graph $y = \csc x$ , $y = \sec x$ , $y = \cot x$ p. 299 # 1, 3, 10, 11
5.3	T2/3	Stretches of Periodic Functions	p. 309 # 1ac,2bd,3 (and sketch a,c,f,h) P 312 # 18
5.4	T2/3	Combinations of Transformations	p 310 #10,11a (graph by hand i, ii, iii) p 318# 1, 2 5.4 handout
5.5	T2/3	Writing Trigonometric Equations	p 309 # 4, 5 p 319 # 5, 6, 7, 9, 14 5.5 Handout
5.6	T2/3	Applications of Trig. Functions	p 321 # 16 5.6 Handout
5.6B	T2/3	Applications of Trig. Functions	p 328 # 3, 4, 6-8, 12 p 340 # 16,19
		Review	p 344 # 1,2,5,6,9 p346 # 1-13, 15 p349 # 13-18

**Test Date:**