

## Unit 6: Trigonometry

**T1: Use knowledge of ratio and proportion to investigate similar triangles and solve problems related to similarity.**

**T2: Solve problems involving right triangles, using the primary trig ratios and the Pythagorean Theorem.**

**T3: Solve problems using the sine law and cosine law.**

#	Topic	FBUHL
6.1	Investigate: Properties of Similar Triangles	Basic: Pg 333 # 5ab,6ab,8a,9a Regular: Pg 333 # 7,8bc,9bc,14,15 Challenge: Pg 333 # 17
6.2	Solve Problems with Similar Triangles	Basic: Pg. 347 #1,5,6ad Regular: Pg. 347 #7,8ad,9,11,19,20 Challenge: Pg. 347 #24
6.3A	Primary Trig Ratios – Day 1	Basic: Pg. 362 # 1b,3ce,4eh Pg. 372 # 3fg,4fg,6e,7k Regular: Pg. 362 # 5d,7cd,8,9 Pg. 372 # 10ab,11cf,15,17
6.3B	Primary Trig Ratios – Day 2	Pg. 363 #11,13,15,16 Pg. 375 # 12a,13,16,19,24,26
6.4	Problems: Primary Trig Ratios	Regular: Pg. 380 C3, 5-7,11,15,20 Challenge: Pg. 380 #23
6.5	The Sine Law	Basic: Pg 401 # 2b,3a,4b Regular: Pg 401 # C2, C3, 6b,9, 10,12 Challenge: Pg 401 # 15,20
6.6	The Cosine Law	Basic: p. 409 # 3,4b Regular: p. 409 # C1, C2,7-9,11,15 Challenge: p. 409 #15
6.7	Cosine Law: Finding Angles	Basic: Pg.417 # 2c,3b Regular: Pg.417 # 5a,8-11,16 Challenge: Pg.417 #16
6.8	Problems: Sine Law and Cosine Law	Pg.427 #3,4,6,7,10
	Review	Pg. 434 Pg. 386, Pg. 430
	Task	

**Test Date: \_\_\_\_\_**