Unit 1:   Trigonometry

T1/T2/T3: Use knowledge of ratio and proportion to investigate similar triangles and solve problems related to similarity. Solve problems involving right triangles, using the primary trig ratios and the Pythagorean Theorem. Solve problems using the sine law and cosine law.

#	Topic	Check Your Understanding
1.0	Review of Angle Properties	Handout
1.1	Similar Triangles	**Set 1**: p. 348 #6abc,7a **Set 2**: p. 348 #6ad,7ab
1.2	Solve Problems with Similar Triangles	**Set 1**: p. 348 #6e,9,11,14 **Set 2**: p. 348 #6e,9,14,23ab*,24
1.3	Primary Trig Ratios – Solving for an Angle	**Set 1**: p. 362 #1ab,4eh,5d, p. 372 #1a,2a,6ac,7ac,8a,9a **Set 2**: p. 362 #1b,4eh,5d,15 p. 372 # 1a,2a,6ac,7ac,8a,9a,25
1.4	Primary Trig Ratios – Solving for an Unknown Side	**Set 1**: p. 363 #3ce,7cd,13 p. 372 #3fg, 4fg,6e,7k,10ab,11cf,15 **Set 2**: p. 363#3c,7c,13,16 p. 372 #3f,4f,6e,7k,10ab,11cf,21
1.5	Problems: Primary Trig Ratios	**Set 1**: p. 374 #13, p. 380 #1,5,11,14 **Set 2**: p. 374 #13, p. 380 #5,6,14,20,23*
1.6	The Sine Law	**Set 1**: p. 401 #C2,C3,2ab,3ab,4a,6b,10 **Set 2**: p. 401#C2,C3,2b,4a,6b,9,12,15,20
1.7	The Cosine Law – Solving for an Unknown Side	**Set 1**: p. 409 #C1,C2,1a,3a,4b,7,9 **Set 2**: p. 409 #C1,C2,3,4b,8,11,15
1.8	The Cosine Law – Solving for Angles	**Set 1**: p. 418#2ac,3ab,5a,8 **Set 2**: p. 418#3b,5a,8,9,11,16
1.9	Solving Problems with Trig	**Set 1**: p. 427#1,2,3a,4,7 **Set 2**: p. 427#1,3a,6,7,10,13
	Review	

Test Date:_____