

Day	Text Ref.	Topics	Homework	Done(✓)
1	4.1	Trigonometry of Right Angles - define reciprocal trig ratios	p. 272 #1-4 (ac of each), 6, 8-11, 16, 19, 20 U5D1&2 Worksheet #1,2(use ITT), 7	
2	4.3	Sine and Cosine Law	Warm up: Skill Reflection #1 p. 290 #1bc,2ac,3ac, 4bc, 5a, 16 p. 293 #9,10 (course is measured clockwise from north), U5D1&2 Worksheet 5-1 #3,5, 6,8,9	
3	4.4	Sine Law: The Ambiguous Case	Warm up: Skill Reflection #2 p. 308 #2de, 3ce, 7a, 11 (answer 12 km or 3 km), 12, 19, 15	
4	5.2	Trig Ratios of Any Angle - CAST rule	p. 281 #1, 4 p. 348 #1abef + principal angle #2abef + principal angle, #6 (Where it says $0 \leq \theta \leq 2\pi$ treat as $0^\circ \leq \theta \leq 360^\circ$) p. 348 #1a) $\cos \theta = \frac{8}{17}$ (book error)	
5	5.2	Trig Ratios of Any Angle - CAST rule - Special Triangles	Warm up: Skill Reflection #3 p. 348 #3, 7bcf, 8, 11 U5D5 Worksheet	
6		Work Period for Mixed Applications and catch up	Warm up: Skill Reflection #4 U5D6 Worksheet	
7	5.7	Introduction to Proving Simple Trigonometric Identities - Pythagorean Identity - Quotient Identity	Skill Reflection # 5 p. 398 #1, 2bcgl, 4abei	
8	5.7	QUIZ on CAST Rule, Special Triangles (NO CALCULATORS) Proving Trigonometric Identities - Reciprocal Identities	U5D8 Worksheet (in note booklet)	
9		WORK PERIOD	Skill Reflection #6 Extra Practice U5D9 Worksheet	
10		Review of Chapter 4 + Review of Chapter 5	p. 316 #1-11 For more practice on specific topics, see pg. 313-315 p. 413 #10, 11, 13 ($0^\circ \leq \theta \leq 360^\circ$), 14, 32, 34 + review last days questions involving reciprocal identities (pick and choose) U5D10 Worksheet	
11		TEST (WITH CALCULATORS)		

Essential Skills: By the end of this unit I will be able to....

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| <input type="checkbox"/> Find sides and angles that correspond to reciprocal trigonometric ratios | <input type="checkbox"/> Given an angle, determine trigonometric ratios using special triangles and CAST rule |
| <input type="checkbox"/> Solve problems using the Sine Law (oblique triangles) | <input type="checkbox"/> Given a trigonometric ratio, determine two principal angles using special triangles and CAST rule |
| <input type="checkbox"/> Solve problems using the Cosine Law (oblique triangles) | <input type="checkbox"/> Prove simple trigonometric identities (involving pyth., quotient and recip. identities) |
| <input type="checkbox"/> Determine measures in triangles involving the ambiguous case of the Sine Law | |

PLEASE NOTE!

If you are absent for the quiz you must write it at lunch the first day back at school whether or not you have a Math class that day. Please talk to your Math teacher if you have any concerns.

