**3UI - Unit 5 Trigonometric Ratios & Identities**

At the end of the unit students will be able to:

* determine the values of the trigonometric ratios for angles less than 360º; prove simple trigonometric identities; and solve problems using the primary trigonometric ratios, the sine law, and the cosine law;

|  |  |  |
| --- | --- | --- |
| **Date** | **Topic** | **Practise** |
| Wed. Nov. 5 | **5A Trigonometric Ratios**5.1 Trig Ratios of Acute AnglesLG: to be able to evaluate reciprocal trig ratios | p. 280 #1 – 12, 14 [18, 20] |
| Thurs. Nov. 6 | 5.2 Trig Ratios of Special AnglesLG: to evaluate exact values for trig ratios with special angles | p. 286 # 1 – 9 [13 – 15] |
| Fri. Nov. 7 | PD Day |  |
| Mon. Nov. 10 | 5.3 Trig Ratios of Obtuse Angles5.4 CAST Rule & Related Acute AnglesLG: to use the Cartesian Plane to evaluate primary trig ratios for angles in 1 rotation | p. 292 #1 – 4p. 299 #1 - 5 |
| Tues. Nov. 11 | 5.3 Trig Ratios of Obtuse Angles cont…5.4 CAST Rule & Related Acute Angles cont… | p. 292 #1 – 4p. 299 #1 - 5 |
| Wed. Nov. 12 | Practise Day  | p. 299 #6 – 9ace, 10, 12 [15]Review p. 304 |
| Thurs. Nov. 13 | **Quiz**5.6 Sine LawLG: to solve 2-D problems involving Sine Law | p. 318 #1, 2, 3a, 4, 5ac, 7 [15,17] |
| Fri. Nov. 14 | 5.7 Cosine LawLG: to solve 2-D problems involving Cosine Law | p. 325 #1b, 2b, 3bc, 4ac, 5, 6, 8 [12,14] |
| Mon. Nov. 17 | **Quiz**5.8 3-D ProblemsLG: to solve 3-D problems using trigonometry | p. 332 #3 – 6 [7, 14] |
| Tues. Nov. 18 | Review | p. 338 #1 – 13p. 340 #2 |
| Wed. Nov. 19 | **Unit Test** |  |
| Thurs. Nov. 20 | **5B Trigonometric Identities**5.5 Trig IdentitiesLG: to prove simple trig identities | p. 310 #1 – 6 |
| Fri. Nov. 21 | 5.5 Trig Identities cont… | p. 310 # 8, 10 – 12 [14]Worksheet |
| Mon. Nov. 24 | Review | p. 339 #6, 7p. 340 #4 |
| Tues. Nov. 25 | Evaluation | p. 344 #1 – 7(If any of these understandings are missing, get help ASAP!) |