**UNIT 2 – TRIGONOMETRY**

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| **Date** | **Topic** | **Learning Goals**  **By the end of today I will be able to…** | **Homework Practice** |
| Wed.  Sept.30 | Review Pythagorean Theorem  1.1 SOHCAHTOA | Use Pythagorean Theorem to solve for unknown sides.  Use primary trig ratios to solve sides and angles of right triangles | p. 2 #1-3  p. 8 # 3 - 7 |
| Thurs.  Oct.1 | 1.1 Trigonometric Ratios in Right Triangles - WORD PROBLEMS | Use primary Trig ratios to solve sides and angles of right triangles in everyday problems. | p.9 # 8 – 13,14ab,15, 16  Bonus question p. 12 #17 |
| Fri.  Oct. 2 | **QUIZ – SOH CAH TOA**  1.2 Investigate Obtuse Angles  In pairs students complete p. 17 #1 - 9 | Solve obtuse angles using trigonometry | p. 19 #1 - 6 |
| Mon.  Oct. 5 | * 1. Obtuse Angles   **MSIP ASSIGNMENT:**  **p. 26 #1-9 Due Thurs. Oct. 8** | Solve obtuse angles using trigonometry | p. 23 # 1 – 14 Bonus question p. 24 # 15 |
| Tues.  Oct. 6 | 1.4 Sine Law | Use the sine law to solve non-right triangles | p. 31 #1a,2a,4c, 8,10,12,13a,14,16  Bonus Question p. 33 #17 |
| Wed.  Oct. 7 | 1.5 Cosine Law | Use the cosine law to solve non-right triangles | p. 38 #1ac,2ac,4ac,5,7a,8b |
| Thurs.  Oct. 8 | **MSIP ASSIGNMENT**  **p. 26 #1-9 Due Today**  1.5 Cosine Law cont… | Use the cosine law to solve non-right triangles in everyday situations | p. 38 # 9,10,11,13,14,15,16  Bonus Question #17 |
| Fri.  Oct. 9 | **QUIZ—Sine and Cosine law**  1.6 Oblique Triangle Problems | Solve oblique triangles using trigonometry | p. 47 #1,3,6,7,8,10,11,12,13  Bonus Question p. 49 #16 |
| Mon.  Oct. 12 | Review for Test  Go through Study Guide on p. 53 | Use primary trig ratios, sine and cosine law and obtuse angles to solve for triangle and word problems | p. 54 - 57 |
| **Tues.**  **Oct. 13** | **Ch. 1 TEST** | **Demonstrate my understanding of trigonometry and how it can be used.** | **GET READY**  **p. 62 # 1 - 4** |