**Foundations of Math & Pre-Calculus 10**

**Chapter 2 ~ Trigonometry**

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| **Learning Outcomes ~ Student can:** |
| T1 | solve for missing sides and angles of right triangles using tangent, sine, and cosine ratios. |
| T2 | solve word problems involving right triangles. |

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| **Date** | **Topic** |
| Friday, January 30 | Pythagorean Theorem Review (worksheet: "What is the Title" & "How Do You Write A Song") |
| Tuesday,February 4 | **Pythagorean Theorem Review Quiz**Lesson 2.1 & 2.4 ~ The Sine, Cosine, & Tangent Ratios (pg 75 #3, 4, 5, 10, 13, ***14, 17, 18, 19***)  (pg 95 #4, 5, 6, 8, ***12, 13, 14***) |
| Thursday,February 6 | **Quiz 2.1 & 2.4**Lesson 2.2 & 2.5 ~ Using the Sine, Cosine, & Tangent Ratios to  Calculate Lengths  (pg 82 #3, 5, ***6, 8, 11, 13, 14***) (pg 101 #3, 5, ***6, 7, 8, 9***) |
| Monday,February 10 | **Quiz 2.2 & 2.5**Lesson 2.6 ~ Applying the Trigonometric Ratios ("Orbit" & "Decoder" worksheets & pg 111 #6, ***8, 9, 10***, 12)Lesson 2.7 ~ Solving Problems Involving More than One Right  Triangle (pg 118 #3, 4, 5, ***6, 8, 11, 13, 16***) |
| Wednesday,February 12 | **Quiz 2.6 & 2.7**Review (pg 124 #1, 3, 5 - 9, 11, 13 - 23)  **\*\*to be handed in on day of test\*\*** |
| Friday,February 14 | **Chapter 2 Test** |

\* ***Bold, italicized*** numbers represent the word problems to practice for outcome T2.

\*Need a challenge? Try the "C" questions at the end of each section!



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**New Vocabulary**

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| **Term** | **Definition** | **Example** |
| IndirectMeasurement |  |  |
| TangentRatio |  |  |
| SineRatio |  |  |
| CosineRatio |  |  |
| Angle ofInclination |  |  |
| Angle ofElevation |  |  |
| Angle of Depression |  |  |