Unit 5: Trigonometry

**By the end of the unit students will be able to:**

1. Use the Pythagorean Theorem to find missing side lengths
2. Understand basic trigonometry to solve for missing sides and missing angles in a right triangle
3. Use special right triangles to find missing side lengths in right triangles
4. Solve word problems with trigonometry

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| **Day** | **Date** | **Lesson** | **Assignment** |
| 1 | Tues.  Oct. 24th | Pythagorean Theorem and Converse | Homework 5.1 |
| 2 | Wed. Oct. 25th | Special Right Triangles | Homework 5.2 |
| 3 | Thurs. Oct. 26th | Day 1 and Day 2 Practice | NO HOMEWORK |
| 4 | Fri. Oct. 27th | Intro to Trigonometry | Homework 5.3 |
| 5 | Mon.  Oct.30th | Trigonometry (Sine, Cosine, Tangent) | Homework 5.4 |
| 6 | Tues.  Oct. 31st | TEACHER WORKDAY | NO HOMEWORK |
| 7 | Wed.  Nov. 1st | **Trigonometry Practice Day and QUIZ** | NO HOMEWORK |
| 8 | Thurs.  Nov. 2nd | Angle of Elevation and Depression | Homework 5.5 |
| 9 | Fri.  Nov. 3rd | Angle of Elevation and Depression Practice Day | NO HOMEWORK |
| 10 | Mon.  Nov. 6th | Unit 4 Review | Study for Test |
| 11 | Tues. Nov. 7th | Unit 4 Test | NO HOMEWORK |