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| **Honors Geometry – Fall 2018**  **Unit 5: Right Triangle Trigonometry\***  \* subject to change | | |
| Date | Standard | Topic and Assignment |
| Fri  10/5  Day 42 | MGSE9-12.G.SRT.6  MGSE9-12.G.SRT.7  MGSE9-12.G.SRT.8  **What am I learning today?**  What are the two types of “special” right triangles?  **How will I show that I learned it?**  Be able to apply the formulas associated with 30-60-90 and 45-45-90 triangles in order to find the lengths of missing sides | Lesson 1  Special Right Triangles  Assignment  p. 308 # 9-11, 13-15, 17-22, 33-35, 40 |
| Mon  10/8  Day 43 | MGSE9-12.G.SRT.6  MGSE9-12.G.SRT.7  MGSE9-12.G.SRT.8  **What am I learning today?**  What are the three basic trigonometric ratios?  **How will I show that I learned it?**  Use the sine, cosine, and tangent operations to find missing sides and angles of a right triangle | Lesson 2  Trigonometric Ratios  Assignment  p. 321 # 22-47, 49-50, 52 |
| Tues  10/9  Day 44 | MGSE9-12.G.SRT.6  MGSE9-12.G.SRT.7  MGSE9-12.G.SRT.8  Cobb Honors  Standards – Unit 5  **What am I learning today?**  Angles of Elevation and Depression  **How will I show that I learned it?**  Be able to solve real-world application problems using right triangles | Lesson 3  Angles of Elevation/Depression  Solving Right Triangles  Assignment  p. 331 # 21-35, 38, 54-57, 69-70, 77  p. 339 # 15-16, 24-25 |
| Wed  10/10  Day 45  \*School-wide Testing\* | Cobb Honors  Standards – Unit 5  **How will I show that I learned it?**  Be able to solve real-world application problems using right triangles | Assignment  Applications of Special Right Triangles |
| Thurs  10/11  Day 46  \*Early Release\* | Cobb Honors  Standards – Unit 5  **How will I show that I learned it?**  Be able to solve real-world application problems using right triangles | Assignment  Applications of Special Right Triangles |
| Fri  10/12  Day 47 | **What am I learning today?**  How to find the area of any regular polygon  **How will I show that I learned it?**  Use right triangle trig to accurately calculate the area of a regular polygon given only a side length | Lesson 4  Area of Regular Polygons  Assignment  p. 357 # 14-17, 26-31, 51 |
| Mon  10/15  Day 48 |  | Review  WS – Unit 5 Review  p. 341 # 31-33, 37  p. 323 # 62-65, 71-72 |
| Tues  10/16  Day 49 |  | Test  Unit 5: Right Triangles |