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| **Honors Geometry – Fall 2018****Unit 5: Right Triangle Trigonometry\*** \* subject to change |
| Date | Standard | Topic and Assignment |
| Fri10/5Day 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 1Special Right TrianglesAssignmentp. 308 # 9-11, 13-15, 17-22, 33-35, 40 |
| Mon10/8Day 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 2Trigonometric RatiosAssignmentp. 321 # 22-47, 49-50, 52 |
| Tues10/9Day 44 | MGSE9-12.G.SRT.6 MGSE9-12.G.SRT.7 MGSE9-12.G.SRT.8Cobb 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 3Angles of Elevation/DepressionSolving Right TrianglesAssignmentp. 331 # 21-35, 38, 54-57, 69-70, 77p. 339 # 15-16, 24-25 |
| Wed10/10Day 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 | AssignmentApplications of Special Right Triangles |
| Thurs10/11Day 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 | AssignmentApplications of Special Right Triangles |
| Fri10/12Day 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 4Area of Regular PolygonsAssignmentp. 357 # 14-17, 26-31, 51 |
| Mon10/15Day 48 |  | ReviewWS – Unit 5 Reviewp. 341 # 31-33, 37p. 323 # 62-65, 71-72 |
| Tues10/16Day 49 |  | TestUnit 5: Right Triangles |