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| **Honors Geometry – Fall 2018****Unit 4: Similarity\*** \* subject to change |
| Date | Standard | Topic and Assignment |
| Wed9/19Day 35 | MGSE9-12.G.SRT.2 MGSE9-12.G.SRT.3 **What am I learning today?**What is similarity and what are similar figures?**How will I show that I learned it?**Find and/or apply a similarity ratio in various situations. | Lesson 1Intro to SimilarityAssignmentp. 249 # 9-10, 13-17, 19-20, 23-24, 33, 36p. 267 # 11-16, 20-24, 40, 43 |
| Thurs9/20Day 36 | MGSE9-12.G.SRT.4 MGSE9-12.G.SRT.5 **What am I learning today?**How do we prove triangles are similar?**How will I show that I learned it?**Be able to correctly apply similarity properties in order to setup accurate proportions. | Lesson 2 Similarity TheoremsAssignmentp. 276 # 8-11, 13-21, 25-27, 30, 36, 41 |
| Fri9/21Day 37 | **What am I learning today?**What is a geometric mean, and how can I use it in similarity of right triangles?**How will I show that I learned it?**Solve for missing sides of right triangles using the Altitude on Hypotenuse theorems. | Lesson 3Altitude on Hypotenuse TheoremsAssignmentWS – Altitude on Hypotenuse Theorems |
| Mon10/1Day 38 | MGSE9-12.G.SRT.1 a.MGSE9-12.G.SRT.1 b. **What am I learning today?**What is a dilation and how are they performed?**How will I show that I learned it?**Perform dilations given the scale factor or find scale factors given image and pre-image. | Lesson 4DilationsAssignmentWS – Dilations |
| Tues10/2Day 39 |  | ActivityArea Relationship and Shadow MathReviewSimilarity |
| Wed10/3Day 40 |  | TouchstoneActivity Presentations |
| Thurs10/4Day 41 |  | Unit 4 Test |