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| **Honors Geometry – Fall 2018**  **Unit 4: Similarity\***  \* subject to change | | |
| Date | Standard | Topic and Assignment |
| Wed  9/19  Day 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 1  Intro to Similarity  Assignment  p. 249 # 9-10, 13-17, 19-20, 23-24, 33, 36  p. 267 # 11-16, 20-24, 40, 43 |
| Thurs  9/20  Day 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 Theorems  Assignment  p. 276 # 8-11, 13-21, 25-27, 30, 36, 41 |
| Fri  9/21  Day 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 3  Altitude on Hypotenuse Theorems  Assignment  WS – Altitude on Hypotenuse Theorems |
| Mon  10/1  Day 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 4  Dilations  Assignment  WS – Dilations |
| Tues  10/2  Day 39 |  | Activity  Area Relationship and Shadow Math  Review  Similarity |
| Wed  10/3  Day 40 |  | Touchstone  Activity Presentations |
| Thurs  10/4  Day 41 |  | Unit 4 Test |