Honors NC Math 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Unit 7 – Similarity & Right Triangle Trigonometry** | | **Homework** |
| 12/18  Wednesday | How do we determine when polygons are similar? (6.3) |  |
| 12/19  Thursday | ​What combinations of side or angle measures are sufficient to determine that two triangles are similar? (SSS, SAS, AA) |  |
| 12/20  Friday | Math II Final Exam Review Day (Released Test)  **Happy Holidays!** |  |
| 1/6  Monday | How do we utilize similar triangles to determine indirect measurements? (6.4) |  |
| 1/7  Tuesday | How can you find the length of the altitude to the hypotenuse of a right triangle? (6.7)  How do we review formal proofs on triangles?  (Congruent & Similar) |  |
| 1/8  Wednesday | Quiz  Good Luck! ☺ |  |
| 1/9  Thursday | What can we discover about the relationship in special right triangles? (5.5) pg. 53  How can we apply special right triangle relationships to application problems? |  |
| 1/10  Friday | How are the sine, cosine, and tangent functions defined?  How can their values be estimated? (6.8) pg. 49 |  |
| 1/13  Monday | How can trigonometric functions be used to calculate heights?  (6.8) pg. 49​ |  |
| 1/14  Tuesday | ​​How can we use trigonometric functions to determine the measure of an acute angle in a right triangle when the lengths of two sides are unknown?  How do we find measurements using the angles of elevation and depression? (6.10) pg. 55 |  |
| 1/15  Wednesday | Test Review |  |
| 1/16  Thursday | **Unit 7 Exam!**  Good Luck! ☺  **HW: Final Exam Mixed Review Packet # 1** |  |