Mathematician _____ Date _____

Hey, 8th graders, to help you prepare for your upcoming **Unit 1 End of Unit Assessment**, here are some pages and problems from your workbook that are similar to those found on the test. Use this as a STUDY GUIDE, or review document as you ready yourself to ROCK this TEST!! You can do it!! For the practice problems, remember you can check your work with the answer key. If you lost your workbook, please remember you can find a digital copy online (RUSDMATH). If you get a problem wrong, ASK a classmate or your teacher to help you understand it BEFORE test time!!

1. You will need to know about different polygons (particularly quadrilaterals such as a square, a rhombus, a rectangle & parallelogram) and the congruency of their side lengths. Lesson 11.3 on page 74 is helpful as is all of lesson 12 and its summary as well.

2. You will need to know about sequences of transformations and how they affect the position of a shape/polygon. Problem 4 on page 41 in lesson 6 and problem 1 Lesson 7.3 on page 44 will give you good practice on this topic.

3. Problem 3 has you comparing the congruency of designs, or shapes. See page 93 (lesson 13.4) for a similar exercise.

4. NOW – we get to the nitty gritty! THIS problem has you list/describe the rigid transformation (or series of them) that will prove one polygon is congruent to another. Page 97 #4 a, b, and c in lesson 13 will help a great deal in preparing you for this task!

5. Problem 5 is similar to one on your mid unit quiz. It has you telling if figures are congruent or not and to EXPLAIN your reasoning. Remember to use words like congruency, rigid transformations, rotation, translation, and reflection. You might also think to mention corresponding angles or sides. See p. 96 problems 2 and 3 in the lesson 13 practice problems.

6. THIS stuff is EASY for you all! You will find the missing angle measures given transversals crossing a pair of parallel lines. "Are you ready for more?" at the top of page 102, and the two problems on p. 100 and 101 contain some aspects of this problem.

7. You will need to be familiar with the definition of a parallelogram, know about congruency of angles, and about the sum of the angles in a triangle for this question! Check out #1->5 in Lesson 16.2 on page 113 for a similar type of problem.

ALSO – The REFLECTIONS on pages 121 through 126 and the GLOSSARY in the back of the book are great sources to read over as you are preparing for the assessment.

In addition, you can find some problems that you have not yet worked on in the FAMILY RESOURCES that can be found by the link under your calendar.

These are all great ways to "study" for a math test! Begin to internalize these habits – so you will have them in high school and beyond!