Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Teacher / Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 2 Review

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| Standard #1: 8.G.B.5.b - I can estimate the relationships and measurements of the angles created when two parallel lines are cut by a transversal.  |
| **Directions:** Refer to the figure and list below to identify the following pairs of angles. Some options may be used more than once. |
| 1. alternate interior angles
2. alternate exterior angles
3. corresponding angles
4. straight angles
5. vertical angles

1. 4 and 9 \_\_\_\_\_ 4. 1 and 3 \_\_\_\_\_ 2. 1 and 5 \_\_\_\_\_ 5.3 and 10 \_\_\_\_3.6 and 7 \_\_\_\_\_ 6**.** 10 and 11 \_\_\_\_\_ |
| **Directions:** Using the information in the problem below, find the measure of the missing angles if the two lines that are intercepted by the transversal are parallel.  |
| http://assess.k12.mhedu.com/Instructor/GetCogneroMedia.ashx?id=6%3aB%14%0B%09IdVF%08S%07Find the missing angle measurements. Show ALL work. The measure of ∠8 = 80°.1. m∠1 = \_\_\_\_\_\_
2. m∠5 = \_\_\_\_\_\_
3. m∠2 = \_\_\_\_\_\_
4. m∠3 = \_\_\_\_\_\_
 |
| **Directions:** Given that line *l //* line *m* and line *p* // line *q* solve for *x.* Remember to label your answer in degrees and mark the pair of lines parallel. |
| x = \_\_\_\_\_\_\_ (Hint: Corresponding Angles are =) | 1.

x = \_\_\_\_\_\_4x-10(Hint: The angles are supplementary) |

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| Standard: 8.G.B.5.a - I can informally prove that the sum of any triangle's interior angles will be the same measure as a straight angle. |
| 1. What is the sum of the interior angles of a triangle? \_\_\_\_\_\_\_\_\_\_\_

a. Draw an example:14. What is the sum of Supplementary Angles? \_\_\_\_\_\_\_\_\_\_\_\_\_ a. Draw an example:15. What is the sum of Complementary Angles? \_\_\_\_\_\_\_\_\_\_\_\_\_ a. Draw an example:16. Solve for x: $9x-4=7-2x$17. Solve for x: $5x-4x+18=3x+2$ |
| **Directions:** Solve for x*.* Show ALL work*.* Remember to label your answer in degrees. |
| http://assess.k12.mhedu.com/Instructor/GetCogneroMedia.ashx?id=0%3an%01%5EW%0ADV%15%0A%07Gx =\_\_\_\_\_ | x = \_\_\_\_\_ |