Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_

**Unit 5: Similarity and Trigonometry**

Guaranteed Viable Curriculum Remediation

|  |  |
| --- | --- |
| WE DO | YOU DO |
| **Use the figures below to answer #1-5.** A.  **B.**  |
| G.SRT.5 I can use congruence and similarity criteria for triangles to solve problems and prove relationships. |
| 1A. What is the value of x? | **1B**. What is the value of x? |
| 2A. What is ? | **2B.** What is ? |
| G.SRT.6 I can understand by similarity, side ratios in right triangles are properties of the angles in the triangle. |
| 3A.  | **3B.**  |
| 4A.  | **4B.**  |
| 5A.  | **5B.**  |
| G.SRT.7 I can explain and use the relationship between the sine and cosine of complementary angles. |
| 6A. If , then what angle would make ? | **6B**. If , then what angle would make ? |
| G.SRT.8 I can use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems. |
| 7A. Find the measure of x. | **7B**. Find the measure of x. |
| G.CO.9 I can prove theorems about lines and angles, such as: vertical angles are congruent; when a transversal crosses parallel lines, alternate interior angles are congruent and corresponding angles are congruent; points on a perpendicular bisector of a line segment are exactly those equidistant from the segment’s endpoints. |
| 8A. What value of *x* would prove that the two lines shown above are parallel? | **8B**. What value of *x* would prove that the two lines shown above are parallel? |
| G.SRT.1 I can dilate images using a given center and scale factor. |
| If  is transformed with a center of dilation at the origin and the scale factor listed, then what are the coordinates for  and ? |
| 9A. Scale factor of 1.75 B’:  C’:  | **9B**. Scale factor of 2.5B’:  C’:  |