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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Unit 1 Similarity Congruence and Proofs

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|  |  |  |  |  |  |  |  | 8  S | Q | U | A | R | E |  | 9  M | E | D | I | A | N |  | 10  S |  |  | Y |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | 11  S | I | Z | E |  |  | I |  |  | E |  |  | I |  |  | T |  |  |  |  |
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|  |  |  | 12  S | I | M | I | L | A | R | I | T | Y | T | R | A | N | S | F | O | R | M | A | T | I | O | N |  |  |  |
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| **Across**  **3.** A circle \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a polygon intersect each line that contains a side the polygon at exactly one point.  **4.** A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a quadrilateral with 4 congruent sides.  **6.** An \_\_\_\_\_\_\_\_\_\_\_\_ of a triangle is a perpendicular segment from a the opposite value.  **8.** A \_\_\_\_\_\_\_\_\_\_\_\_\_ quadrilateral with 4 right angles and 4 congruent sides.  **9.** A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a triangle is a segment whose endpoints are a vertex of the triangle and the midpoint of opposite side.  **11.** Same shape but not same \_\_\_\_\_\_\_\_\_\_  **12.** A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ transformation is dilatation or a composite of one or more dilation and one or more congruence transformation.  **13.** A \_\_\_\_\_\_\_\_\_\_ is a quadrilateral with 4 right sides. | **Down**  **1.** The points concurrency of the medians triangle is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?  **2.** A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the ratio of the corresponding sides of two similar polygons.  **5.** A \_\_\_\_\_\_\_\_\_\_\_ of triangle is a segment that joins the midpoints of 2 sides of the triangle.  **7.** A quadrilateral with two pairs of parallel sides is a \_\_\_\_\_\_\_\_  **10.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ polygons is 2 polygons are similar if they corresponding angles are congruent and corresponding sides are in a proportion. |