Across
2. factor of two similar polygons/ ratio of the lengths of the corresponding sides
6. polygons/polygons whose corresponding angles are similar or equal to, and corresponding are proportional
8. Leg of a right triangle/ one of the sides forming the right triangle
9. the angle formed by the legs
10. a polygon with 3 sides
12. statement/ when you write a statement thy says two polygons are congruent, the corresponding parts must be in corresponding order.
13. side-side-side (SSS) Similarity theorem/ if all the corresponding side lengths of 2 triangles are proportional then the triangles are similar
14. an equation starting that 2 ratios are equal
15. three disease of one triangle are congruent to 3 sides of another triangle then the triangles are congruent
16. the side opposite the right angles (longest side)
19. drawing/ a drawing that is the same shape as the object it represents
20. figures/ exactly the same size and shape
21. Exterior angles/ an angle outside the triangle formed by extending side

Down
1. 6.1 perimeters of similar polygons/ if 2 polygons are similar then the ratio of any 2 corresponding lengths is equal to the scale factor of the polygons
3. the 2 congruent sides
4. to a theorem/ Follows from a Theron that is, its easily proven from the Theron
5. 22:angle-angle (AA)similarity postulate/ if two angles of a triangle are similar or equal to, two angles of another triangle then the triangles are similar
7. proportionally theorem/ if a line parallel to side of a triangle intersects the other two sides then it divide those 2 sides proportionally
10. parts/ in congruent figure the parts of one figure are congruent to the corresponding parts of the order
11. mean/ the positive numbers that works in a/x= x/b
12. angle/the angle formed between two sides of a triangle
14. Interior angles/ an angle inside the triangle
17. angles theorem/ if two angles of a triangle are similar or equal to, to 2 angles of the triangles, then the 3rd angle are also equal or similar to
18. of the triangle proportionality theorem/ if a line divides 2 sides of a triangle proportionally then the third side
20. 6.6/ if 3 or more lines intersect 2 transversals is then they divide the transversal proportionally