Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_ HR: \_\_\_\_\_\_\_\_\_\_\_

Similar Polygons HOMEWORK

Determine if the figures are similar. Justify your reasoning as modeled in class.



3. 4.





5. 6.



7.





8.

9.

10.

11. The ratio of the angles of the triangle is 5:7:8. Find the measures of all three angles of the triangle.

12. The ratio of the sides of the triangle is 7:9:12 and its perimeter is 84 inches. Find the measures of all three sides of the triangle.