Name _____ Date _____

Quiz: Similar Polygons: Ratio of Perimeters & Areas

1 Two Δ are similar. The sides of the first Δ are 22, 22, and 26. The smallest side of the second Δ is 50. Find the perimeter of the second Δ.

2 Two triangular roofs are similar. The ratio of the corresponding sides of these roofs is 15:18. If the altitude of the smaller roof is 40 feet, find for larger roof.

3 Two polygons are similar. If the ratio of the perimeters is 4:7, find the ratio of the corresponding sides.

4 The ratio of the perimeters of two similar triangles is 20:22. Find the ratio of the areas.

5 The areas of two similar polygons are in the ratio 16:18. Find the ratio of the corresponding sides.

6 Two Δ are similar. The sides of the first Δ are 13, 18, and 20. The smallest side of the second Δ is 22. Find the perimeter of the second Δ.

7 Two triangular roofs are similar. The ratio of the corresponding sides of these roofs is 2:7. If the altitude of the smaller roof is 30 feet, find for larger roof.

8 Two polygons are similar. If the ratio of the perimeters is 1:9, find the ratio of the corresponding sides.

9 The ratio of the perimeters of two similar triangles is 22:25. Find the ratio of the areas.

10 The areas of two similar polygons are in the ratio 5:6. Find the ratio of the corresponding sides.

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%