Only used when the polygon is

		Sum	Each Angle
	Interior		
	Exterior		

An Interior and Exterior Angle from a _____





10) A rectangle has side lengths of 10 and 14. A similar rectangle might have side lengths of: A. 11 and 14 B. 15 and 21 C. 9 and 18 D. 16 and 20 You are printing posters for a concert and need them to be 35" tall. The small copy you have is 8" wide 11) by 10" inches tall. Part A: What scale factor should you use to enlarge the image and make sure the posters are proportional? Part B: How wide will the enlarged poster be? Part C: What relationship (ratio) do the areas of the small copy and the poster have? 12) Two polygons are similar with a scale factor of 5 to 7. The area of the smaller polygon is 60 in². What is the area of the larger polygon? 13) The areas of two similar polygons are in the ratio 25: 81. Find the ratio of the corresponding sides.

Geom	Geometry Review Sheet for Unit 4/5 Test: Polygons and Similarity Name: Pd Pd				
Geom 14)	netry Review Sheet for Unit 4/5 Test: Polygons and Simila In table tennis, the table is a rectangle 9 feet long a long and 36 feet wide. Are the two surfaces similar court to the table.	rity Name: Pd. and 5 feet wide. A tennis court is a rectangle 78 feet ? Explain. If so, find the scale factor of the tennis			
15)	Quadrilateral <i>HALK</i> is congruent to quadrilateral <i>FOR</i> <i>m</i> ∠ <i>A</i> ?	<i>T</i> , if <i>m</i> ∠ <i>H</i> = 60°, <i>m</i> ∠ <i>L</i> = 152°, and <i>m</i> ∠ <i>T</i> = 42°. What is			
16)	Identify if the polygons pictured are similar and find the scale factor of the top polygon to the bottom polygon.				
-0)	A) 28 12.4 12.4 20	B) 7 4.4 4			
	25 15.5 35	14 8.8 8.8			
	Explain your reasoning:	Explain your reasoning:			