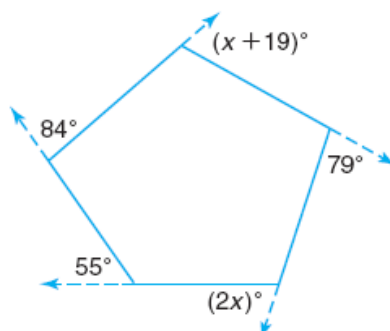


Name: _____

Polygons

Exercise 1: Find the value of x from the information provided in the diagram below:



Exercise 2: Each side of a regular dodecagon measures 7 in. Find the perimeter.

Exercise 3: The perimeter of an equilateral octagon is 42 cm. Find the length of each side.

Exercise 4: The perimeter of the regular polygon $ABCDE$ is 94 m. find the lengths of segments AB and CD .

Exercise 5: One exterior angle of a regular polygon measures 10° . What is the measure of each interior angle? How many sides does the polygon have?

Exercise 6: The sum of the measures of the interior angles of a regular polygon is 2340° . How many sides does the polygon have?

Exercise 17: Find each lettered angle measure.

