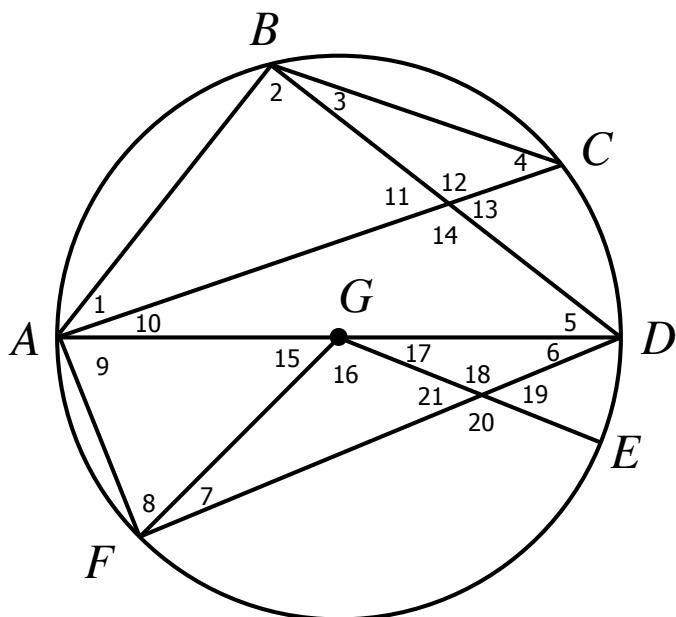


The Giant Circle CHALLENGE!

Name: _____



Given: G is the center of the circle
 \overline{AD} is a diameter, $m\widehat{AB} = 78^\circ$,
 $m\widehat{FE} = 105^\circ$, $m\widehat{ED} = 27^\circ$, $m\widehat{CD} = 42^\circ$

Find each angle measure!

$$m\angle 1 = \underline{\hspace{2cm}} \quad m\angle 12 = \underline{\hspace{2cm}}$$

$$m\angle 2 = \underline{\hspace{2cm}} \quad m\angle 13 = \underline{\hspace{2cm}}$$

$$m\angle 3 = \underline{\hspace{2cm}} \quad m\angle 14 = \underline{\hspace{2cm}}$$

$$m\angle 4 = \underline{\hspace{2cm}} \quad m\angle 15 = \underline{\hspace{2cm}}$$

$$m\angle 5 = \underline{\hspace{2cm}} \quad m\angle 16 = \underline{\hspace{2cm}}$$

$$m\angle 6 = \underline{\hspace{2cm}} \quad m\angle 17 = \underline{\hspace{2cm}}$$

$$m\angle 7 = \underline{\hspace{2cm}} \quad m\angle 18 = \underline{\hspace{2cm}}$$

$$m\angle 8 = \underline{\hspace{2cm}} \quad m\angle 19 = \underline{\hspace{2cm}}$$

$$m\angle 9 = \underline{\hspace{2cm}} \quad m\angle 20 = \underline{\hspace{2cm}}$$

$$m\angle 10 = \underline{\hspace{2cm}} \quad m\angle 21 = \underline{\hspace{2cm}}$$

$$m\angle 11 = \underline{\hspace{2cm}}$$