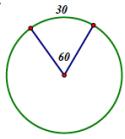
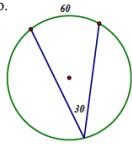
1. Which diagram below is accurately labeled with the correct degree measurements for the angle and arc that are labeled?

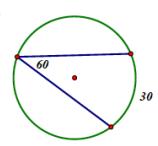
a.

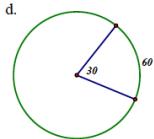


b.



c.



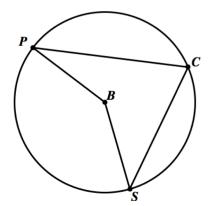


2. In circle B, $m\widehat{PS} = 165^{\circ}$. Determine the following measures:

A.
$$m \angle PBS = \underline{\hspace{1cm}}$$

B.
$$m \angle PCS = \underline{\hspace{1cm}}$$

C.
$$m\widehat{PCS} = \underline{\hspace{1cm}}$$

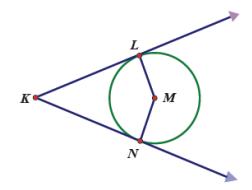


3. In question #2 above, the figure provided for option C is incorrectly labeled. Explain why it is incorrect and explain how you would revise it so that the circle is labeled correctly.

4. In circle M, $m \angle LKN = 35^{\circ}$. Determine the following measures:

A.
$$m \angle LMN = \underline{\hspace{1cm}}$$

B.
$$m\widehat{LN} = \underline{\hspace{1cm}}$$



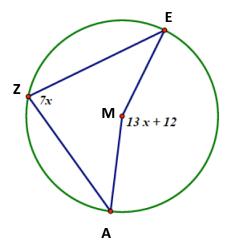
5. Use the given information provided in circle M to set up an equation that represents the relationship between $m \angle EZA$ and $m \angle EMA$. Then solve your equation and use your solution to determine the following measures:

A.
$$m \angle EZA = \underline{\hspace{1cm}}$$

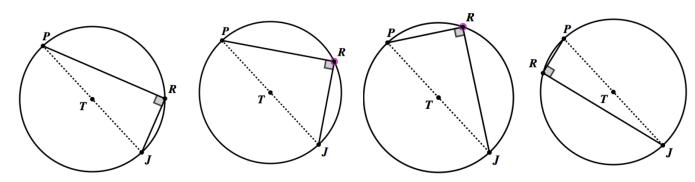
B.
$$m \angle EMA = \underline{\hspace{1cm}}$$

C.
$$m\widehat{EA} = \underline{\hspace{1cm}}$$

D.
$$m\widehat{EZA} = \underline{\hspace{1cm}}$$



- **6.** Circle T is shown four times, but in each case, point R is in a different location on the circle. The inscribed angle shown in each circle, $\angle PRJ$, is a right angle.
 - **A.** In each circle, what is the measure of \widehat{PJ} ?



B. Based on your answer to Part A, make a few conjectures about what else appears to be true when an inscribed angle has a measure of 90°.