Practice Quiz

Unit 4 Quiz - Angles & Arcs

Name



For 15-21, Using the diagram, match the notation with the term that BEST describes it.

A. Center B. Chord Diameter Radius Point of tangency F. Secant G. Tangent



For 22-28, Use Circle M below to find the measures of each arc or angle.

In circle M, $m \leq BMC = 40^{\circ}$, $m \leq CMD = 90^{\circ}$, \overline{AC} and \overline{BE} are denoters.

 $24. \ AE = 40^{\circ}$ $25. \ DE = 70^{\circ}$ $26. \ BAE = 40^{\circ}$ $27. \ m \angle AMB = 140^{\circ}$ $28. \ m \angle EMC = 140^{\circ}$

29. Solve for x. The lines that appear are tangents lines. Be sure to write the equation below and show your work.



31. Use the circle at the right. Determine if \overline{KJ} is tangent to the circle. Show work that justifies your answer.

(Hint: Use $a^2 + b^2 = c^2$)

32. Given the circle below, find the value of x. Be sure to write the equation. Show your work. Then find the missing angles or arcs.





30. Find the missing measures of the indicated angle or arcs.





$$\widehat{QR} = \underline{40}^{\circ} \qquad \widehat{RS} = = \underline{90}^{\circ}$$

$$\widehat{ST} = = \underline{135}^{\circ} \qquad \widehat{TQ} = = \underline{75}^{\circ}$$

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INSCRIBED ANGLES OF A CIRCLE

