

Lesson 6.3 • Arcs and Angles

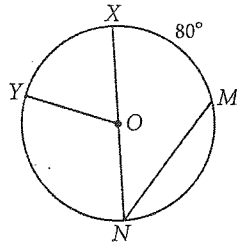
Name _____ Period _____ Date _____

1. $m\widehat{XM} = 80^\circ$

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

$m\widehat{XN} = \underline{\hspace{2cm}}$

$m\widehat{MN} = \underline{\hspace{2cm}}$

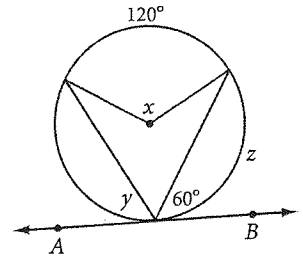


2. \overleftrightarrow{AB} is a tangent.

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

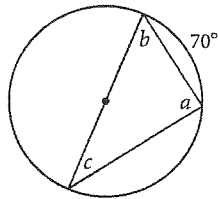
$z = \underline{\hspace{2cm}}$



3. $a = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

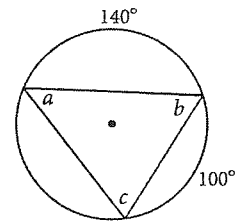
$c = \underline{\hspace{2cm}}$



4. $a = \underline{\hspace{2cm}}$

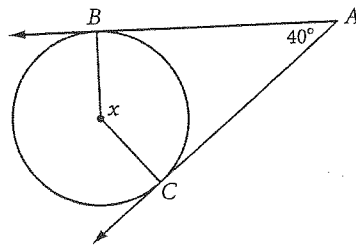
$b = \underline{\hspace{2cm}}$

$c = \underline{\hspace{2cm}}$



5. \overleftrightarrow{AB} and \overleftrightarrow{AC} are tangents.

$x = \underline{\hspace{2cm}}$



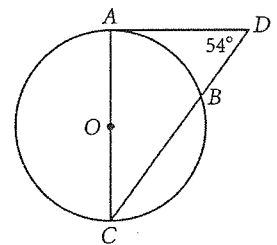
6. \overleftrightarrow{AD} is a tangent. \overleftrightarrow{AC} is a diameter.

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

$m\widehat{AB} = \underline{\hspace{2cm}}$

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

$m\widehat{CB} = \underline{\hspace{2cm}}$

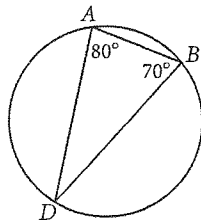


7. $m\widehat{AD} = \underline{\hspace{2cm}}$

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

$m\widehat{AB} = \underline{\hspace{2cm}}$

$m\widehat{DAB} = \underline{\hspace{2cm}}$

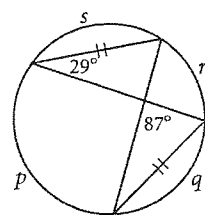


8. $p = \underline{\hspace{2cm}}$

$q = \underline{\hspace{2cm}}$

$r = \underline{\hspace{2cm}}$

$s = \underline{\hspace{2cm}}$



9. Find the lettered angle and arc measures. \overleftrightarrow{AT} and \overleftrightarrow{AZ} are tangents.

$a = \underline{\hspace{2cm}}$

$d = \underline{\hspace{2cm}}$

$g = \underline{\hspace{2cm}}$

$k = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

$e = \underline{\hspace{2cm}}$

$h = \underline{\hspace{2cm}}$

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

$c = \underline{\hspace{2cm}}$

$f = \underline{\hspace{2cm}}$

$j = \underline{\hspace{2cm}}$

$n = \underline{\hspace{2cm}}$

