Lesson 6.3 • Arcs and Angles
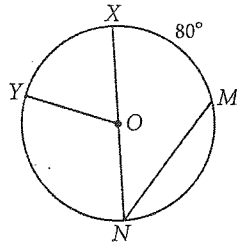
Name _____ Period _____ Date _____

1. $m\widehat{XM} = 80°$

$m\angle XNM =$ _____

$m\widehat{XN} =$ _____

$m\widehat{MN} =$ _____

2. $\overleftrightarrow{AB}$ is a tangent.

$x =$ _____

$y =$ _____

$z =$ _____

3. $a =$ _____

$b =$ _____

$c =$ _____

4. $a =$ _____

$b =$ _____

$c =$ _____
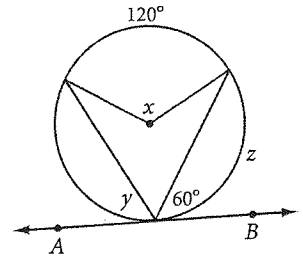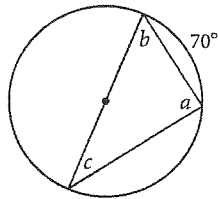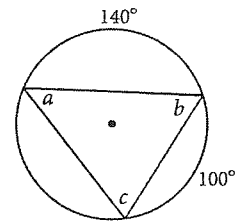
5. $\overrightarrow{AB}$ and $\overrightarrow{AC}$ are tangents.

$x =$ _____
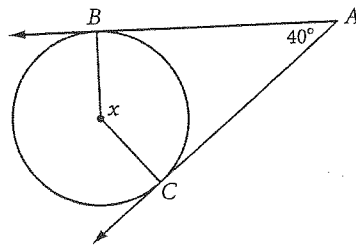
6. $\overrightarrow{AD}$ is a tangent. $\overline{AC}$ is a diameter.

$m\angle A =$ _____

$m\widehat{AB} =$ _____

$m\angle C =$ _____

$m\widehat{CB} =$ _____

7. $m\widehat{AD} =$ _____

$m\angle D =$ _____

$m\widehat{AB} =$ _____

$m\widehat{DAB} =$ _____

8. $p =$ _____

$q =$ _____

$r =$ _____

$s =$ _____
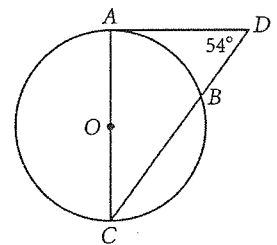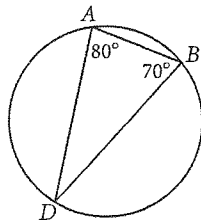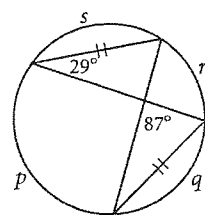
9. Find the lettered angle and arc measures. $\overrightarrow{AT}$ and $\overrightarrow{AZ}$ are tangents.

$a =$ _____ $b =$ _____ $c =$ _____

$d =$ _____ $e =$ _____ $f =$ _____

$g =$ _____ $h =$ _____ $j =$ _____

$k =$ _____ $m =$ _____ $n =$ _____