Algebra Find the value of each variable.

See Problem

8.

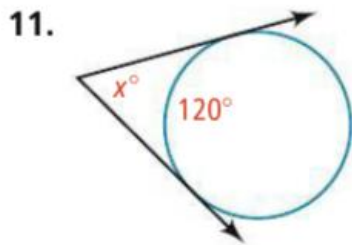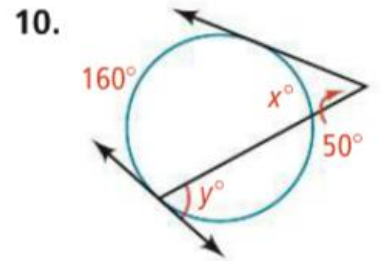160°
68°
$x°$

9.

130°
30°
$x°$

10.

160°
$x°$
50°
$y°$

11.

$x°$
120°

12.

53°
$y°$
$x°$
60°
70°

13.

$y°$
$x°$
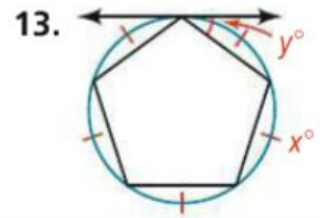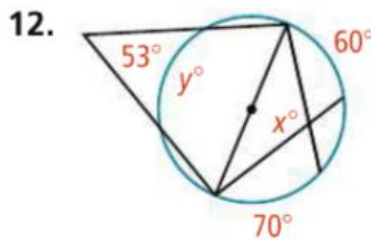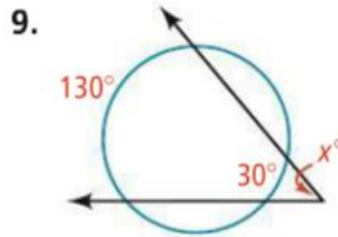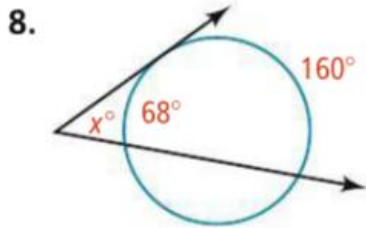
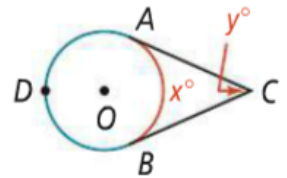**Algebra** $\overline{CA}$ and $\overline{CB}$ are tangents to $\odot O$ Write an expression for each arc or angle in terms of the given variable.

21. $m\overarc{ADB}$ using x

22. $m\angle C$ using x

23. $m\overarc{AB}$ using y

A
$y°$
D
$x°$
C
O
B

30. $\triangle PQR$ is inscribed in a circle with $m\angle P = 70$, $m\angle Q = 50$, and $m\angle R = 60$. What are the measures of $\overarc{PQ}$, $\overarc{QR}$, and $\overarc{PR}$?