Name_____

WS 10.4 Inscribed Angles and Polygons

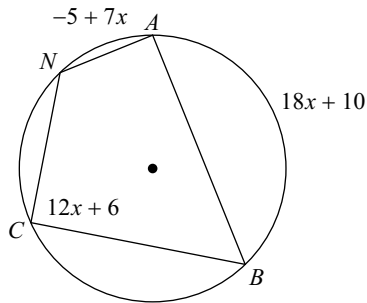Date_____ Period_____

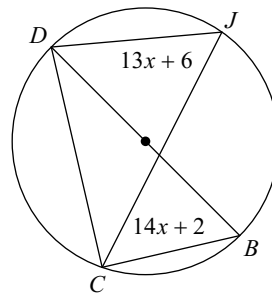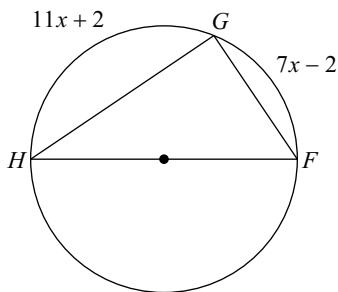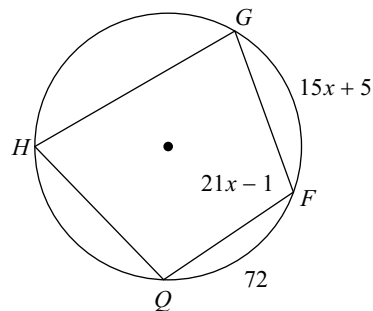**Find the measure of the arc or angle indicated.**
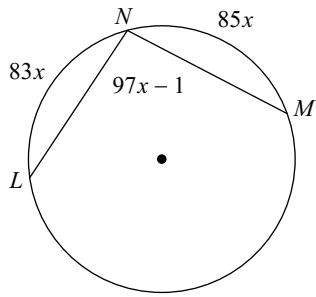
1)
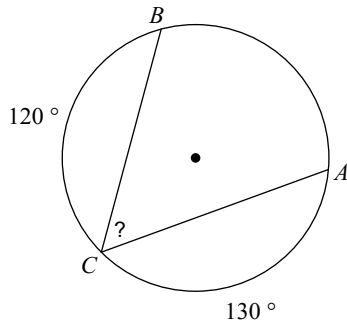
2)
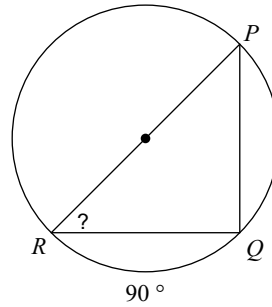
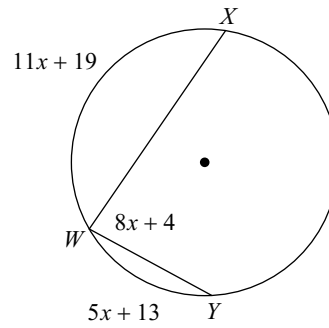3) Find $m\angle NCB$

4) Find $m\angle CJD$

5) Find $m\angle FHG$

6) Find $m\overarc{GF}$

7) Find $m\widehat{NM}$

N $85x$
$83x$ $97x - 1$ M
L

8) Find $m\widehat{WY}$

X
$11x + 19$
$8x + 4$
W
$5x + 13$ Y

Solve for x and y.

9)

C
$40x$
$19y + 2$ D
$40x + 3$ $21y - 5$
B V

10)

B E
$7y - 1$ $21x - 4$
$7y + 16$ $25x - 3$
G F
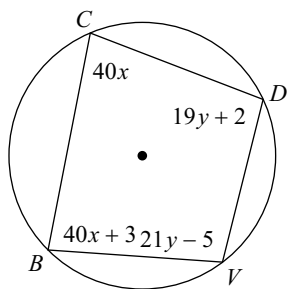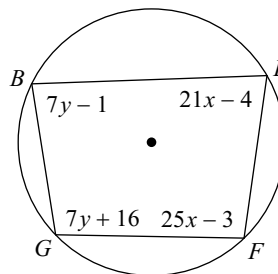
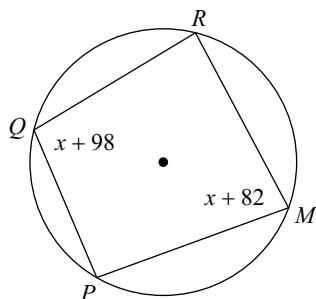**Find the measure of the arc or angle indicated.**

11) Find $m\widehat{PR}$

R
Q
$x + 98$
$x + 82$
M
P

12) Find $m\angle RPQ$

R
$5x + 5$ P
$12x - 4$
Q

-2-