Geometry

Name_____

4A-2 Angles IN, OUT, and ON a Circle

Date_____ Period_____

Find the angle measure indicated. Assume that lines which appear to be tangent are tangent.
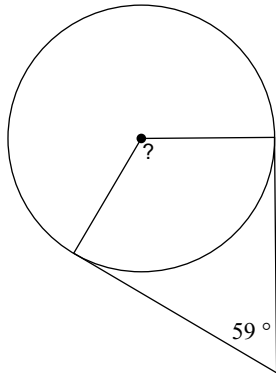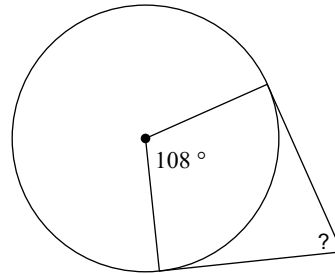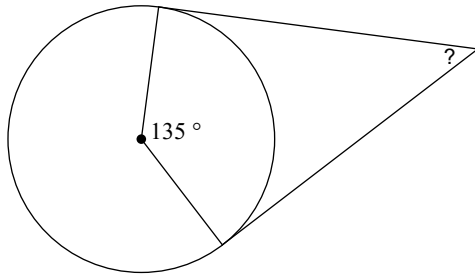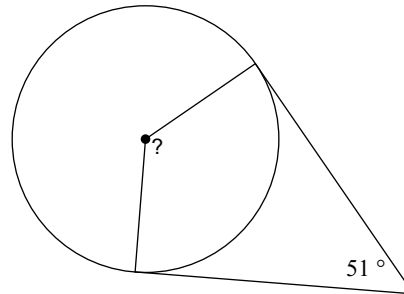
1)
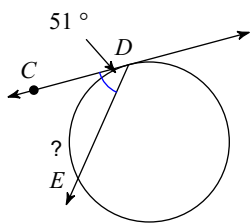

59 °

2)

108 °

?

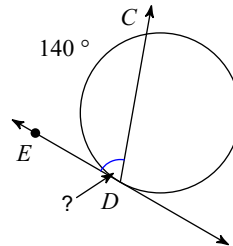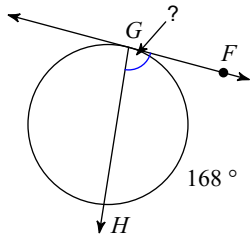3)

135 °

?

4)

?

51 °

Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

5)

51 °

C   D

?
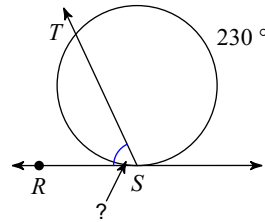E

6)

C
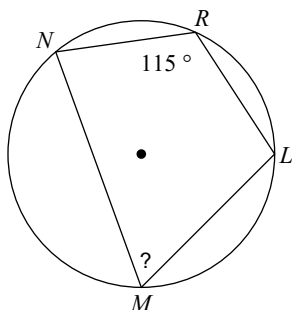
140 °

E
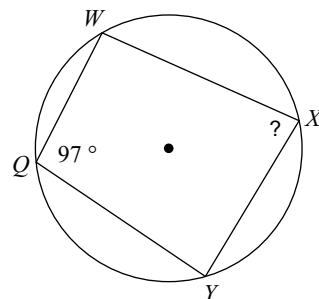
? D

7)

G   ?

F

168 °

H

8)

T   230 °

R   S

?

Find the measure of the arc or angle indicated.

9)

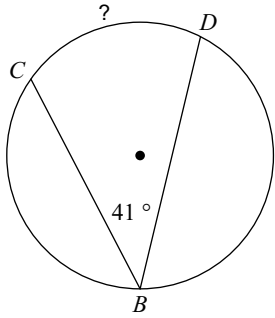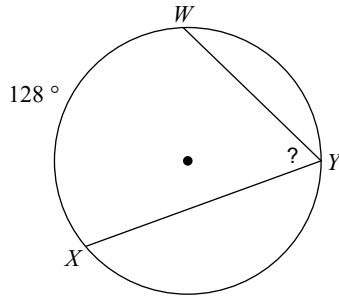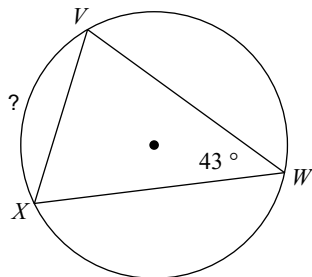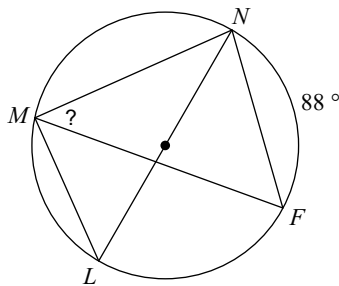N   R

115 °

L

?

M

10)

W

? X

Q   97 °

Y

11)

12)

13)

14)

15)
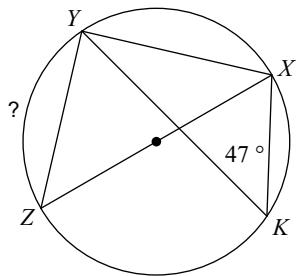
16)
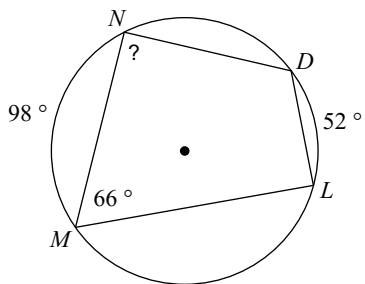
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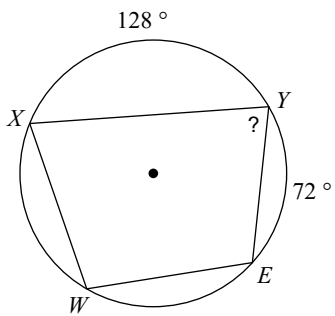
18)

****BONUS***
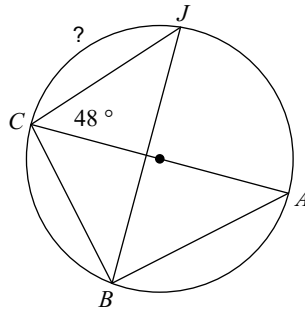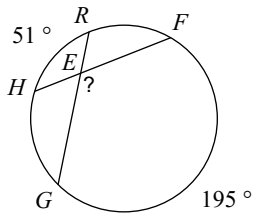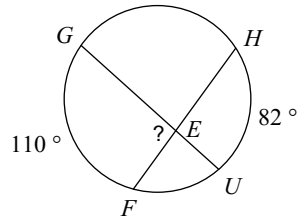**Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.**
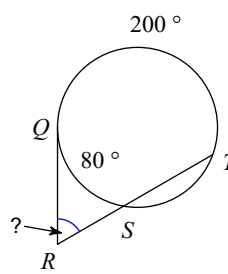
19)

51 ° R F

E

H ?

G 195 °

20)

G H

82 °

110 ° ? E

U

F

21)

H 50 °

G E J

?

F

200 °

22)

D

?

120 ° C

E F

95 °

L

23)

B

C

D

68 °

?

168 ° E

24)

200 °

Q

80 ° T

? S

R

25)

230 °

D

B

?

C

26)

T

51 ° U

V

98 °

S

?