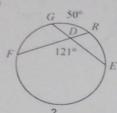Analytic Geometry

Name_____
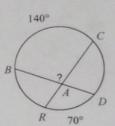
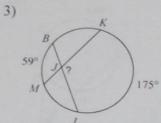## Secant and Tangent Angles

Date_____ Period_____

Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.
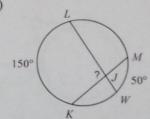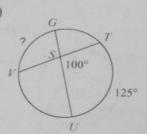
1)

G 50°
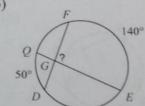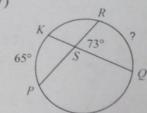D R
F 121°
E
?

2)

140°
C
B
?
A
D
R 70°

3)

K
B
59°
J ?
M 175°
L

4)

L
150°
M
? J
50°
K W

5)

G
? T
S
V 100°
125°
U

6)

F
140°
Q
G ?
50°
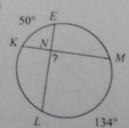D E

7)

R
K
73°
?
65° S
Q
P

8)

50° E
K N
? M
L 134°

Solve for x. Assume that lines which appear tangent are tangent.

9)

E
55°
L
J
M 85°
x + 115
K

10)

75°
V D
S
11x + 7 T
93°
U

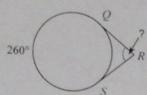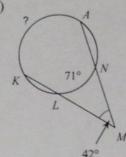**Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.**

11)

12)

13)

14)

15)

16)

17)

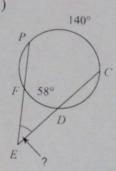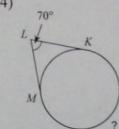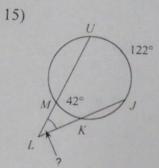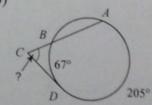

18)