Name_____

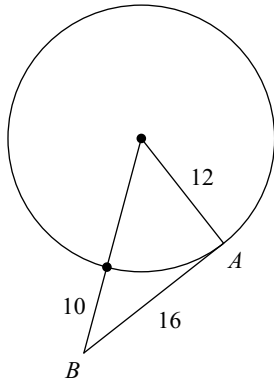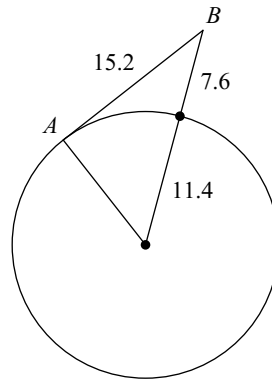# PRACTCE Quiz 6.3-6.4 Tangent Lines and Inscribed Angles

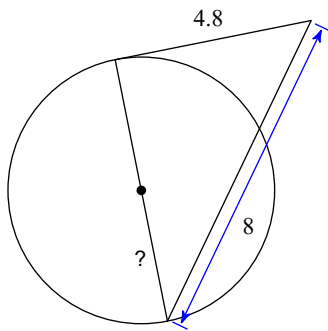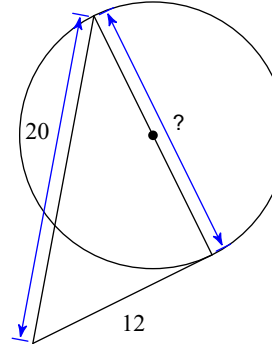**Determine if line AB is tangent to the circle.**

1)

2)

Find the segment length indicated. Assume that lines which appear to be tangent are tangent.
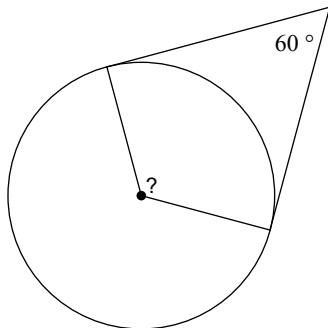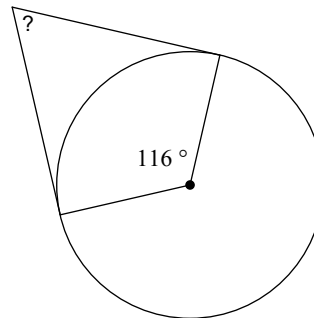
3)

4)

Find the angle measure indicated. Assume that lines which appear to be tangent are tangent.
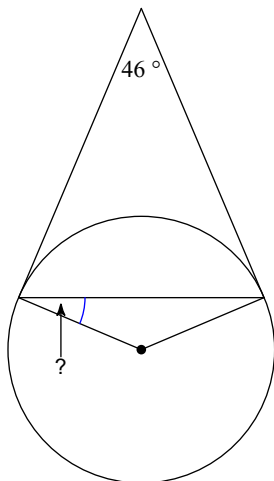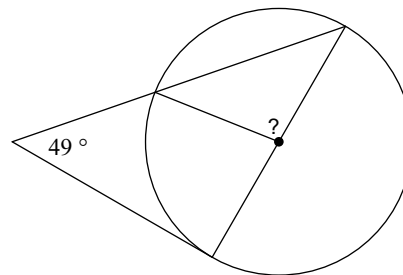
5)

6)

7)

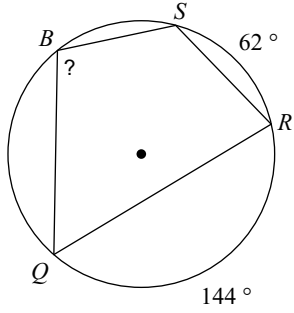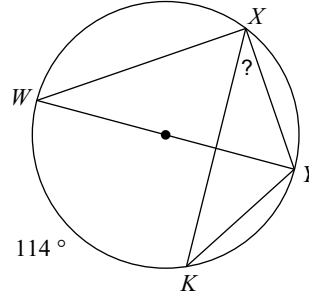8)

Find the measure of the arc or angle indicated.
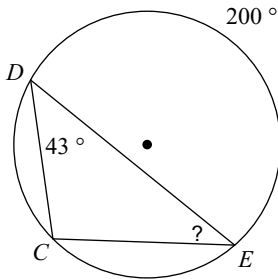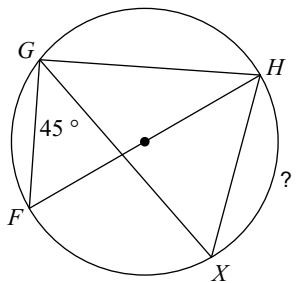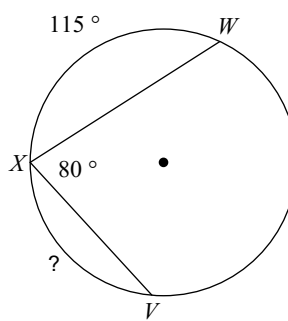
9)

62 °

B S ? R

Q 144 °

10)

X ?

W

Y

114 ° K

11)

200 °

D

43 °

C ? E

12) Find $m\overarc{YXW}$

X

Y

99 ° W

P

13)

G

F 80 °

?

H

14)

Y

132 °

74 °

X W

?

15)

G H

45 °

?

F

X

16)

115 ° W

X 80 °

?

V

17)

K

120 °

J

? L

110 °

Y 80 °

18)

Y

?

X

65 °

92 ° W

Name_____

PRACTCE Quiz 6.3-6.4 Tangent Lines and Inscribed Angles

Determine if line AB is tangent to the circle.

1) Not tangent
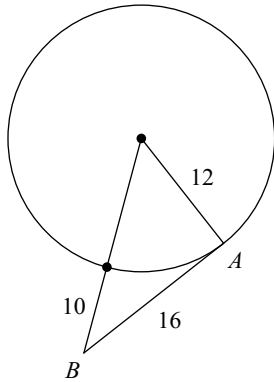
12

10   16

A

B

2) Tangent

B

15.2   7.6

A

11.4

Find the segment length indicated. Assume that lines which appear to be tangent are tangent.

3) 3.2

4.8

8

?

4) 16

20   ?

12

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

5) 120°

60°

?

6) 64°

?

116°

7) 23°

46°

?

8) 98°
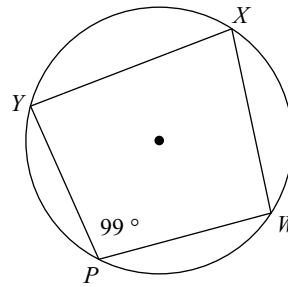
49°

?

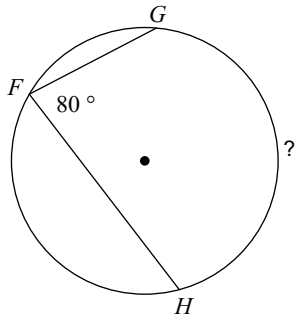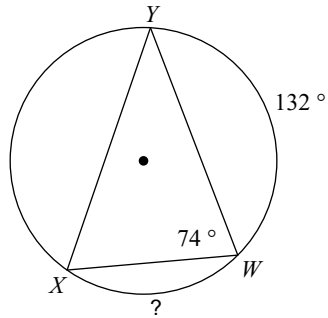**Find the measure of the arc or angle indicated.**

9)   103°

S, B, ?, 62 °, R, Q, 144 °

10)   33°

X, ?, W, Y, 114 °, K

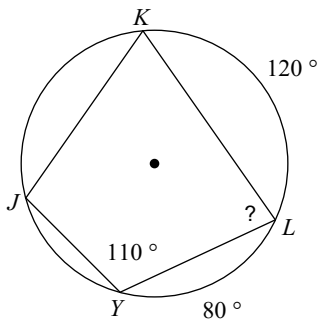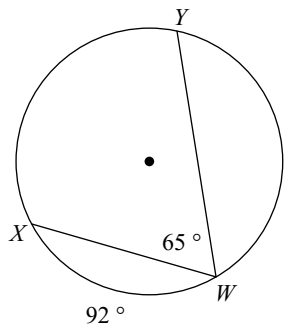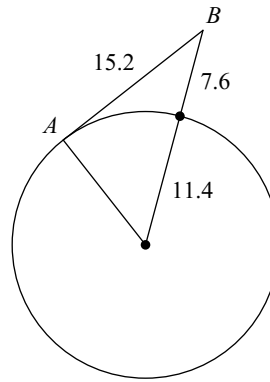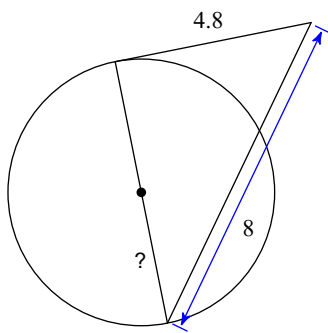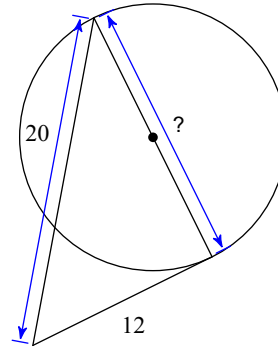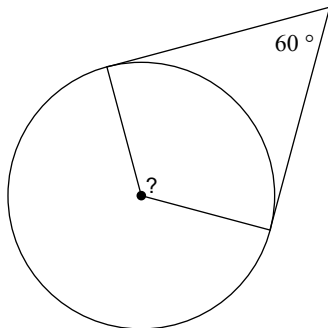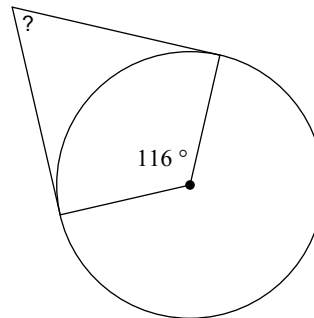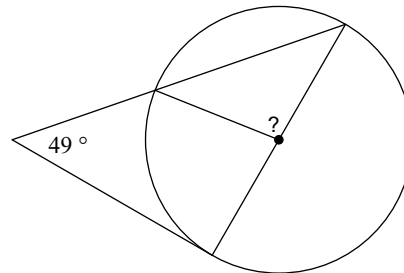11)   37°

200 °, D, 43 °, C, ?, E

12) Find $m\widehat{YXW}$ 198°

X, Y, 99 °, W, P

13)   160°

G, F, 80 °, ?, H

14)   80°

Y, 132 °, 74 °, X, W, ?

15)   90°

G, H, 45 °, ?, F, X

16)   85°

115 °, W, X, 80 °, ?, V

17)   80°

K, 120 °, J, ?, L, 110 °, Y, 80 °

18)   138°

Y, ?, X, 65 °, W, 92 °