Geometry 1 - Mr. C. - All work on looseleaf.

Name_____

# Q3Week1 Practice - Ref. Ch. 12-1

Date_____ Period____

Determine if line AB is tangent to the circle.

1)
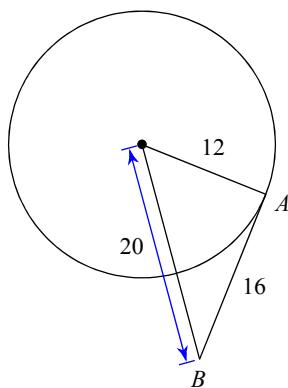
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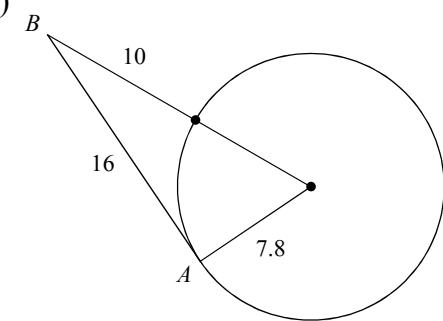
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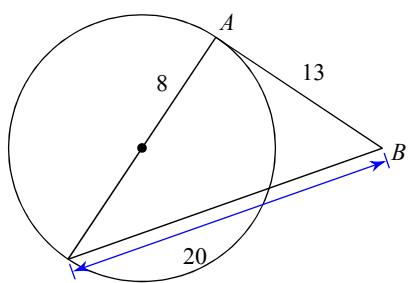
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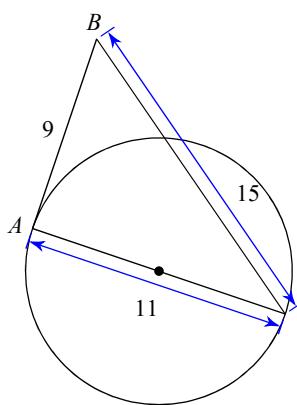
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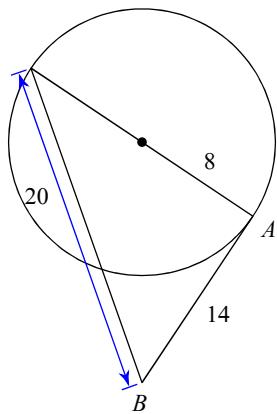
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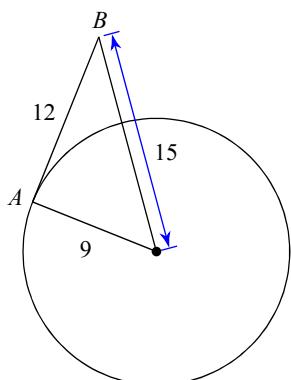
**Find the segment length indicated. Assume that lines which appear to be tangent are tangent.**

7)

17

8

?

8)

6

?

8

9)

?

9

15

10)

2

1.5

?

11)

8

9

?

12)

?

8
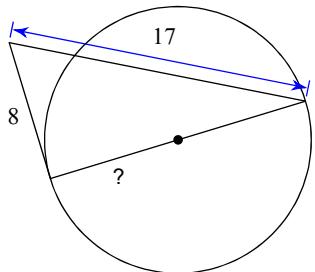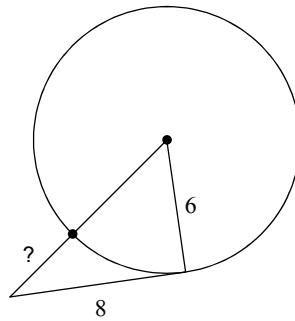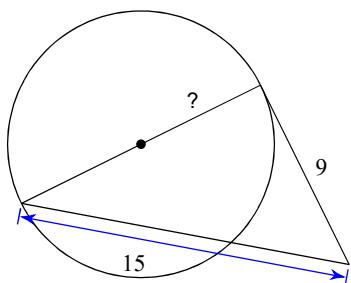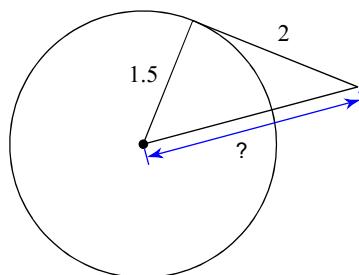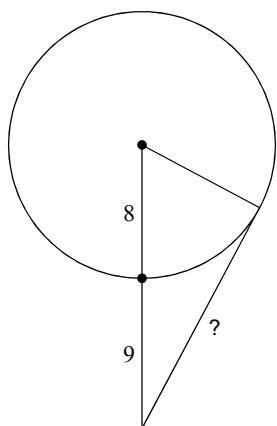
12
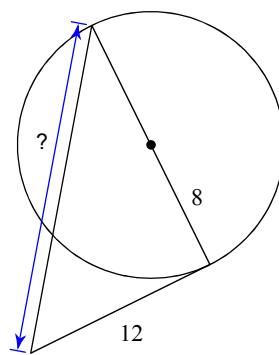
**Find the perimeter of each polygon. Assume that lines which appear to be tangent are tangent.**

13)

16.3

15.9

8

19.6

14)

11.8

8

10.2

11.8

15)

18.3

19.3

7.7   14

16)

8

15   10

17)

23.2

21.8   14

9.3

18)

18.2

10.9

21.3
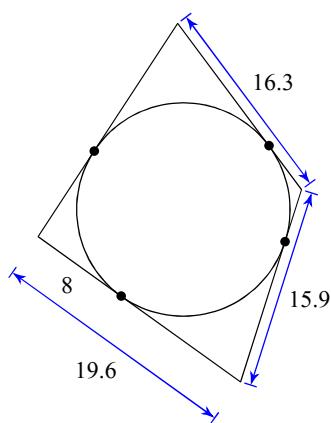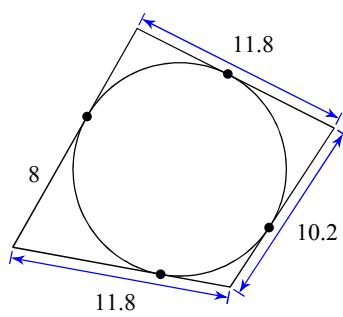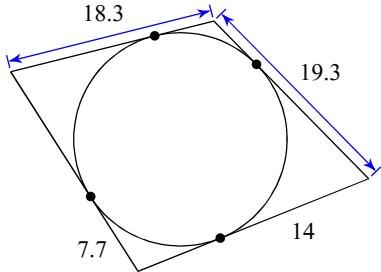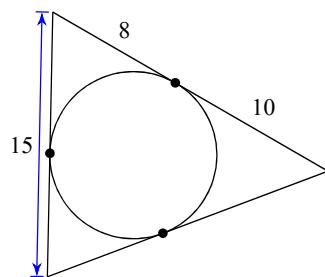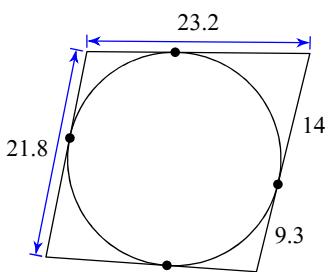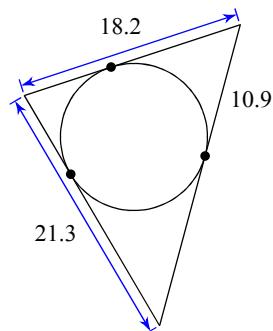
Find the angle measure indicated. Assume that lines which appear to be tangent are tangent.

19)

?

68°

20)

?

135°

21)

?

105°

22)

?

50°

23)

?

55°

24)

51°

?
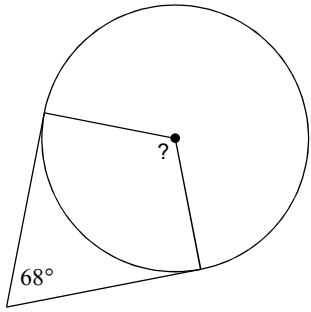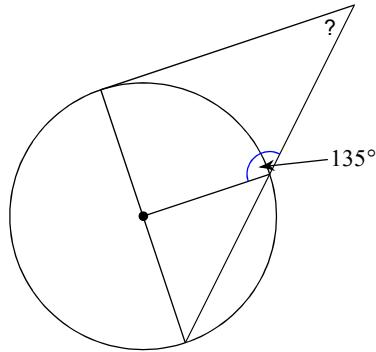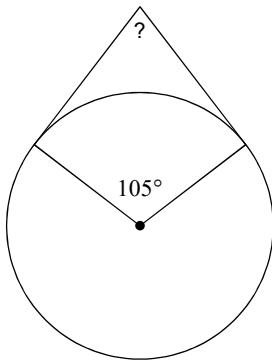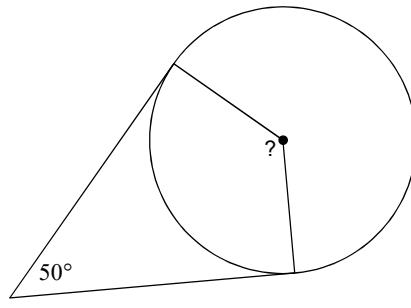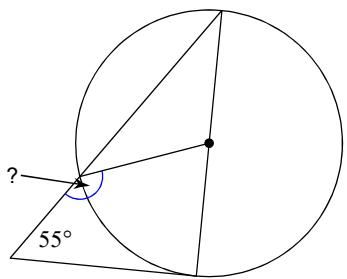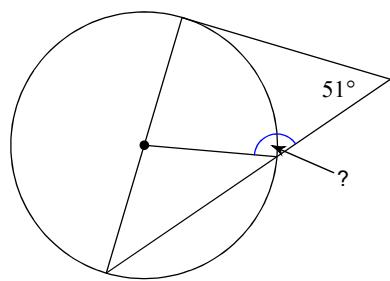
Solve for *x*. Assume that lines which appear to be tangent are tangent.

25)

$3x + 1$

$4x - 4$

26)

$2x - 7$

$x + 4$

27)

$14x + 1$

$13x + 4$

28)

22.8

$4x + 6$

$5x - 2$

29)

$5 + 6x$

$7x$

30)

$2x + 1$

$3x$
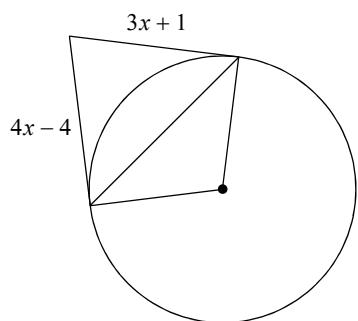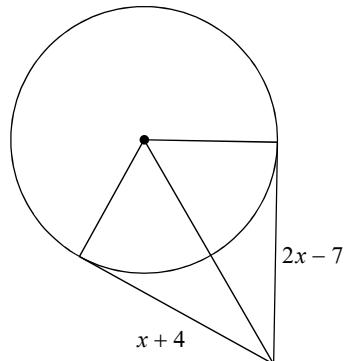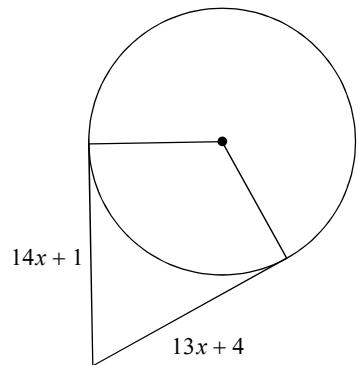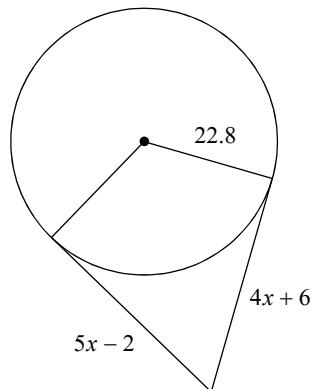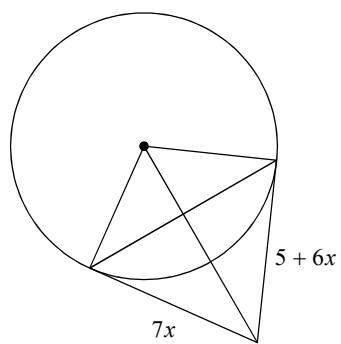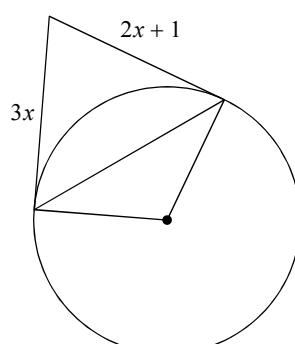
Answers to Q3Week1 Practice - Ref. Ch. 12-1 (ID: 1)

1) Tangent
2) Tangent
3) Not tangent
4) Not tangent
5) Not tangent
6) Tangent
7) 7.5
8) 4
9) 6
10) 2.5
11) 15
12) 20
13) 71.8
14) 47.2
15) 80
16) 50
17) 90.2
18) 64.4
19) 112°
20) 45°
21) 75°
22) 130°
23) 145°
24) 141°
25) 5
26) 11
27) 3
28) 8
29) 5
30) 1