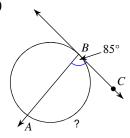
Period__

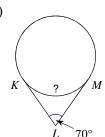
Circles, arcs, and angle measures
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Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

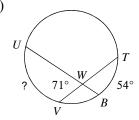
1)



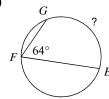
2)



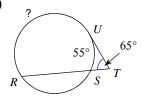
3)



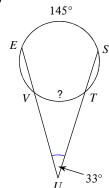
4)



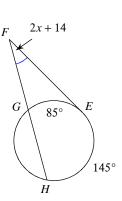
5)



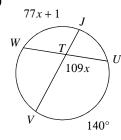
6)



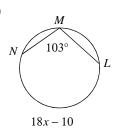
Solve for x. Assume that lines which appear tangent are tangent.



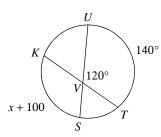
8)



9)

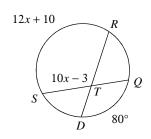


10)

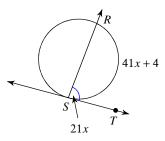


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

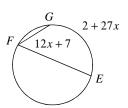
11) Find $m \angle STR$



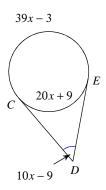
12) Find $m \angle RST$



13) Find $m \angle EFG$

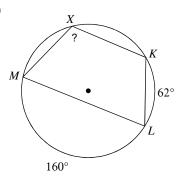


14) Find $m \angle CDE$

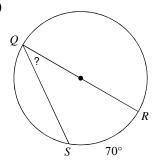


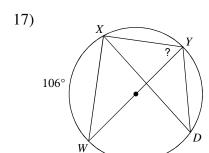
Find the measure of the arc or angle indicated.

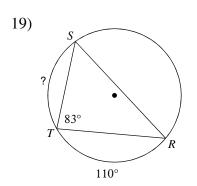
15)

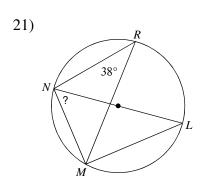


16)

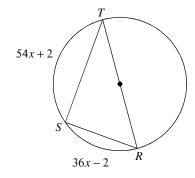


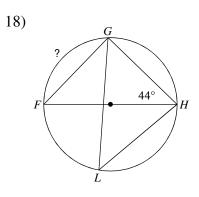


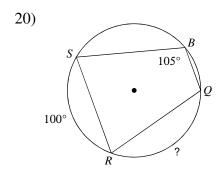


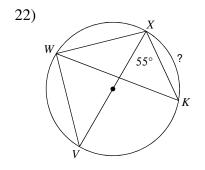


23) Find $m \angle TRS$

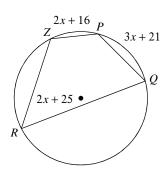




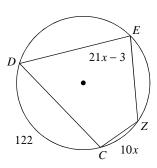




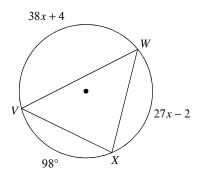
24) Find $m\widehat{ZP}$



25) Find $m\widehat{ZC}$

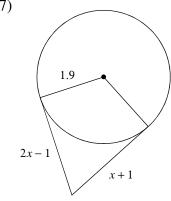


26) Find $m \angle XVW$

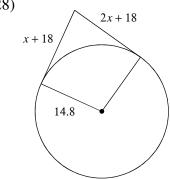


Solve for x. Assume that lines which appear to be tangent are tangent.

27)

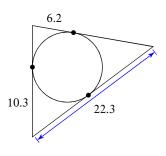


28)

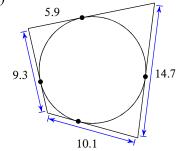


Find the perimeter of each polygon. Assume that lines which appear to be tangent are tangent.

29)

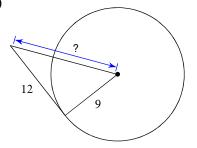


30)

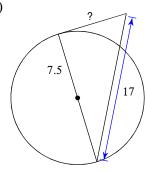


Find the segment length indicated. Assume that lines which appear to be tangent are tangent.

31)



32)



Answers to Circles, arcs, and angle measures

1)	170°
5)	185°
9)	12
13)) 55°

1) 170°
5) 185°
9) 12
13) 55°
17) 53°
21) 52°
25) 40°
29) 57

2) 110°
6) 79°
10) 0
14) 51°
18) 88°
22) 70°
26) 53°
30) 48

3) 88°
7) 8
11) 117°
15) 111°
19) 84°
23) 55°
27) 2
31) 15

4) 1	28°
8) 1	
12)	84°
16)	35°
20)	110°
24)	42°
28)	0
32)	8