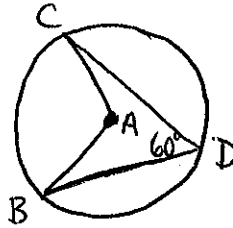# Circle Review

① What is the measure of ∠A?

50°

T

P   A
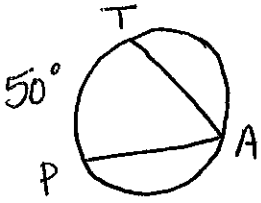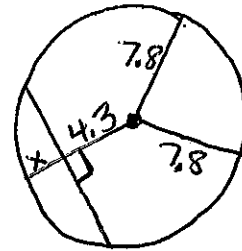
② What is the measure of ∠CAB?
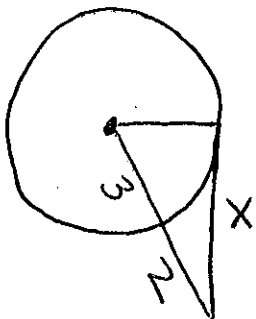

C

A 60° D

B

③ Graph the following equation.

$$(x-2)^2 + (y+3)^2 = 9$$

④ Find the length of the segment indicated.
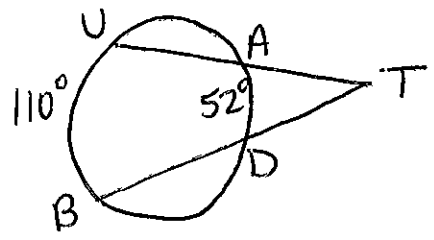

7.8

4.3

x

7.8

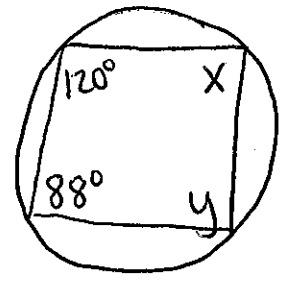⑤ Find the segment length. Assume that lines that appear to be tangent are tangent.

3

x

2

⑥ Find the center and radius of the circle below.
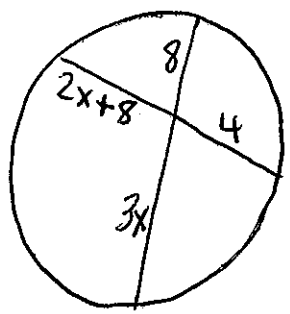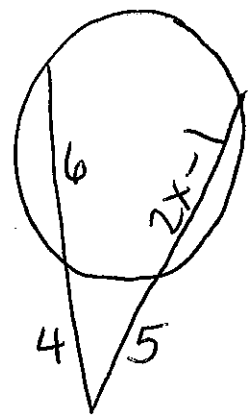
$$x^2 + y^2 - 4x + 2y - 4 = 0$$

⑦ Find m∠T.

U
A
110°
52°
T
D
B

⑧ Find the missing angles.

120°   X
88°   y

⑨ Solve for x.

8
2x+8   4
3x

⑩ Solve for x.

6
2x-1
4 5

⑪ Find the length of the arc.
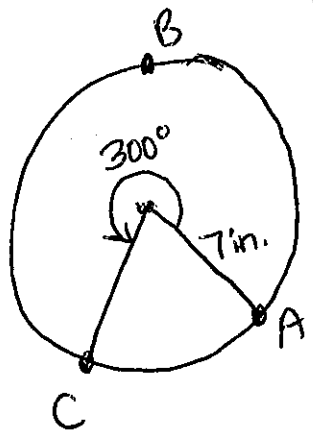
B
m ÂBC =
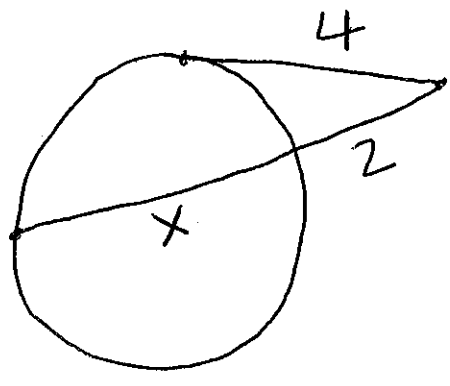300°
7 in.
A
C

⑫ Find the area of the sector.

3π/2
10 cm.
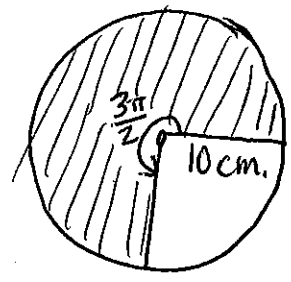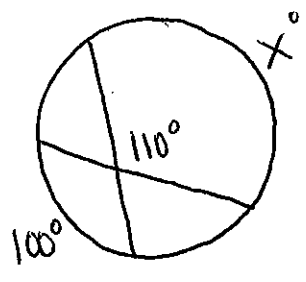
13. Solve for X.

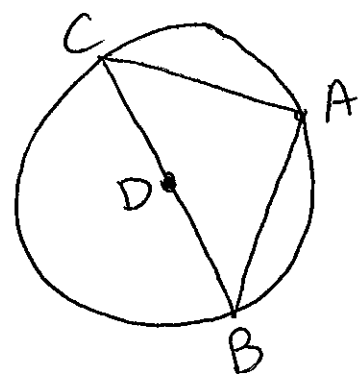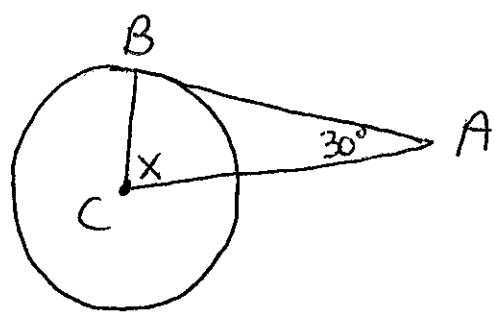14. Solve for x.
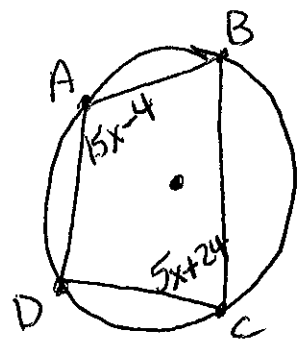
15. Solve for x.

16. Find the measure of ∠A.
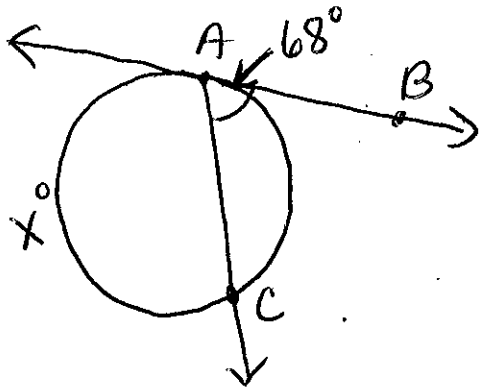

17. Find the measure of x. m∠A = 30°. Assume that $\overline{AB}$ is tangent and C is the center of the circle.

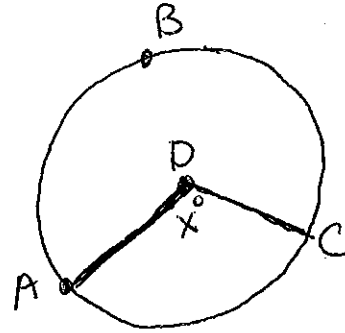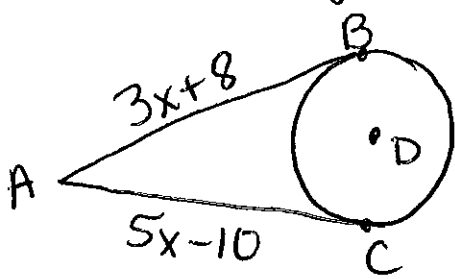18. Given the circle: $(x-2)^2 + (y+3)^2 = 9$, what is the center and radius?
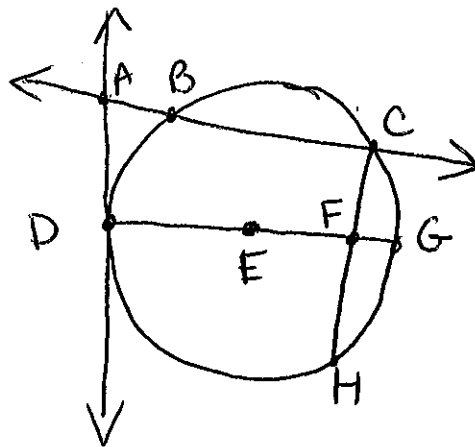
19. Find the measure of x.

A 68°
B
x°
C

20. The measure of $\overarc{ABC}$ = 280°, Find the measure of x.

B
D
x°
C
A

21. Find the length of AB.

3x+8
B
D
A
5x-10
C

22. Use the picture to label the following:

A B
C
D
F
E
G
H

circle _____   radius _____

diameter_____   chord _____

Secant _____   minor arc _____

tangent _____   major arc _____

If EG = 6, what is the length of DG?