

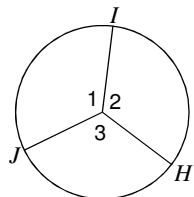
Practice Quiz Circles #1

SHOW NECESSARY WORK!

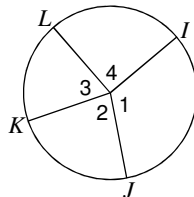
Date _____

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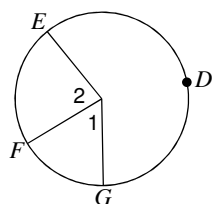
Name the arc made by the given angle.

1) $\angle I$ 

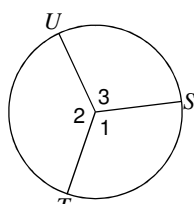
- A) $\widehat{IH}$ B) $\widehat{JIH}$
 C) $\widehat{JHI}$ D) $\widehat{JI}$

2) $\angle 4$ 

- A) $\widehat{IL}$ B) $\widehat{IKJ}$
 C) $\widehat{IJ}$ D) $\widehat{KIL}$

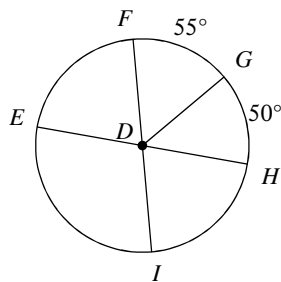
3) $\angle 2$ 

- A) $\widehat{FE}$ B) $\widehat{GEF}$
 C) $\widehat{FDE}$ D) $\widehat{GF}$

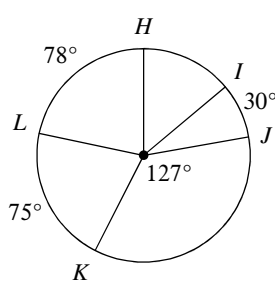
4) $\angle 3$ 

- A) $\widehat{STU}$ B) $\widehat{TSU}$
 C) $\widehat{SU}$ D) $\widehat{SUT}$

Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

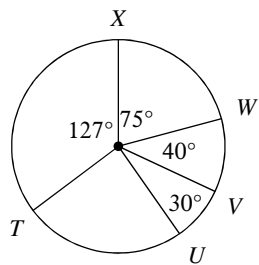
5) $m\angle IDE$ 

- A) 99° B) 105°
 C) 129° D) 95°

6) $m\widehat{IK}$ 

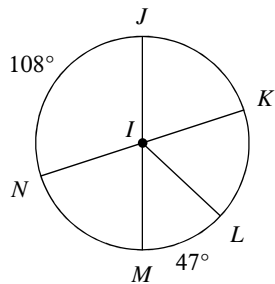
- A) 135° B) 130°
 C) 36° D) 157°

7) $m\widehat{XU}$



- A) 104° B) 143°
C) 133° D) 145°

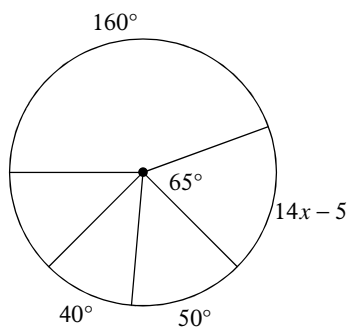
8) $m\angle KIM$



- A) 122° B) 141°
C) 108° D) 142°

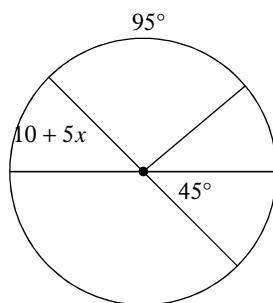
Solve for x . Assume that lines which appear to be diameters are actual diameters.

9)



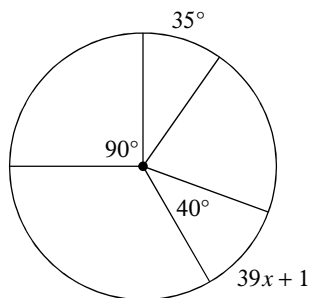
- A) 7 B) 0
C) 4 D) 5

10)



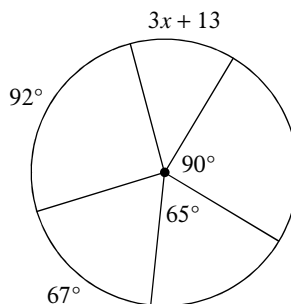
- A) 7 B) 4
C) 5 D) 1

11)



- A) 1 B) 4
C) -7 D) 9

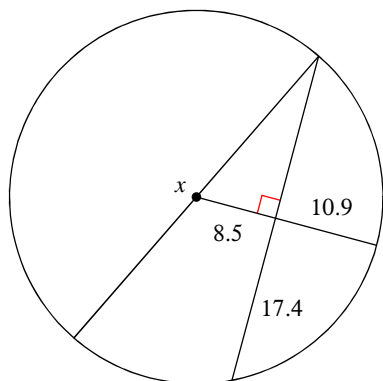
12)



- A) 11 B) 2
C) -4 D) 0

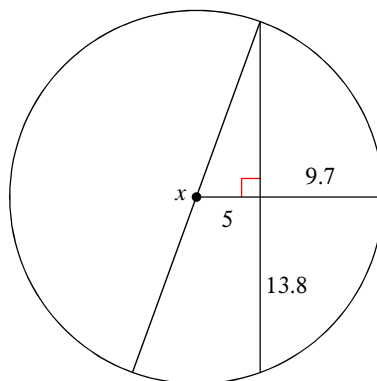
Find the length of the segment indicated. Round your answer to the nearest tenth if necessary.

13)



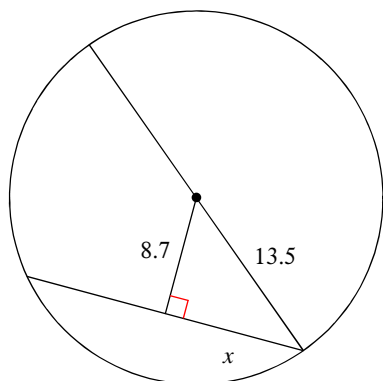
- A) 34.8 B) 44.8
C) 38.8 D) 31

14)



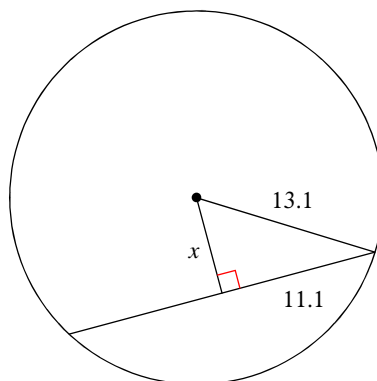
- A) 15.9 B) 23.8
C) 29.4 D) 18.4

15)



- A) 10.1 B) 10.3
C) 12.2 D) 8.1

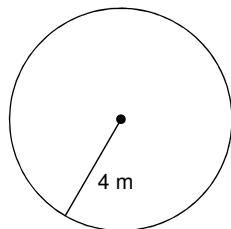
16)



- A) 5.7 B) 8.3
C) 6.8 D) 7

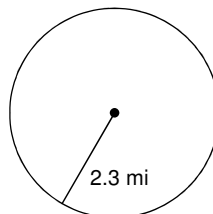
Find the area of each. Use your calculator's value of π . Round your answer to the nearest tenth.

17)



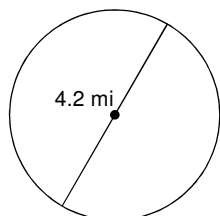
- A) 55.2 m² B) 60.9 m²
C) 50.3 m² D) 13.8 m²

18)



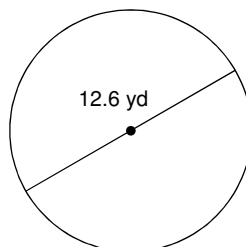
- A) 9.7 mi² B) 22.9 mi²
C) 30.2 mi² D) 16.6 mi²

19)



- A) 7.2 mi² B) 16.7 mi²
C) 13.9 mi² D) 8.2 mi²

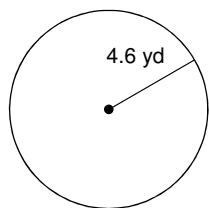
20)



- A) 11.2 yd² B) 124.7 yd²
C) 158.4 yd² D) 39.6 yd²

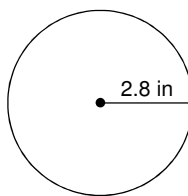
Find the circumference of each circle. Use your calculator's value of π . Round your answer to the nearest tenth.

21)



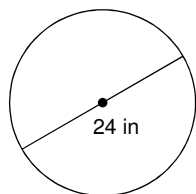
- A) 27.1 yd B) 28.9 yd
C) 14.5 yd D) 20.8 yd

22)



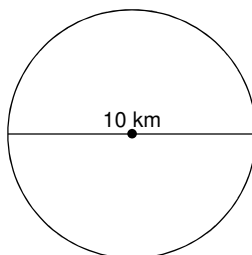
- A) 15.5 in B) 17.6 in
C) 9.9 in D) 10.5 in

23)



- A) 75.4 in B) 41.5 in
C) 79.2 in D) 83 in

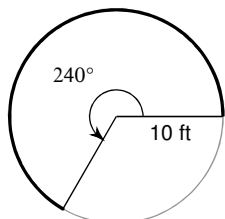
24)



- A) 33.3 km B) 31.4 km
C) 14.7 km D) 34.6 km

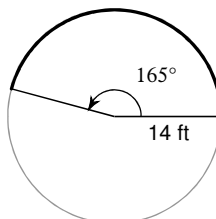
Find the length of each arc. Round your answers to the nearest tenth.

25)



- A) 41.9 ft B) 35.6 ft
C) 62.8 ft D) 209.4 ft

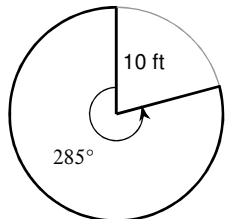
26)



- A) 237.6 ft B) 20.9 ft
C) 40.3 ft D) 14514.2 ft

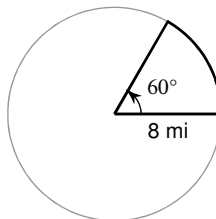
Find the area of each sector. Round your answers to the nearest tenth.

27)



- A) 56.5 ft² B) 17907.1 ft²
C) 6.8 ft² D) 248.7 ft²

28)



- A) 8.4 mi² B) 50.3 mi²
C) 64.7 mi² D) 33.5 mi²

Answers to Practice Quiz Circles #1

SHOW NECESSARY WORK!

1) D
5) B
9) D
13) C
17) C
21) B
25) A

2) A
6) D
10) A
14) C
18) D
22) B
26) C

3) A
7) D
11) A
15) B
19) C
23) A
27) D

4) C
8) C
12) A
16) D
20) B
24) B
28) D