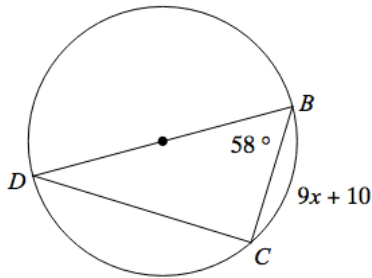


LEVEL: EMERGING

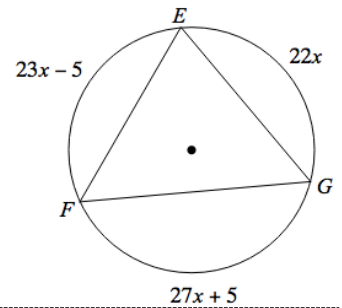
Directions: Find the value of x .

1)



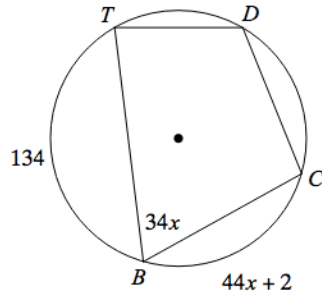
$x = \underline{\hspace{2cm}}$

2)



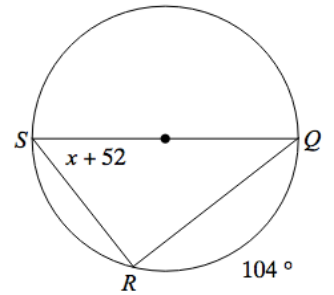
$x = \underline{\hspace{2cm}}$

3)



$x = \underline{\hspace{2cm}}$

4)

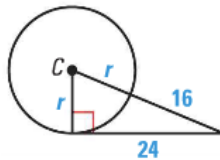


$x = \underline{\hspace{2cm}}$

LEVEL: PROFICIENT

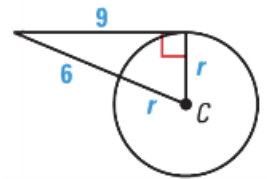
Directions: Find the value of the variable r that would make the line tangent.

5)



$x = \underline{\hspace{2cm}}$

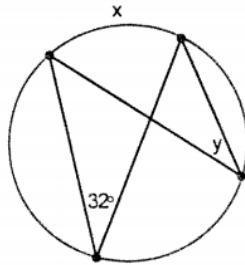
6)



$x = \underline{\hspace{2cm}}$

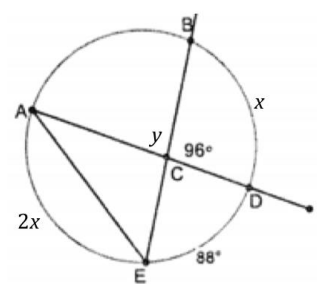
Directions: Find the value of x and y , then find their sum.

7)



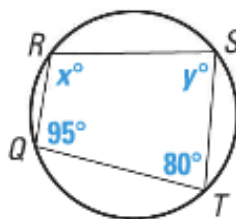
$x = \underline{\hspace{1cm}}$ $y = \underline{\hspace{1cm}}$ SUM = $\underline{\hspace{2cm}}$

8)



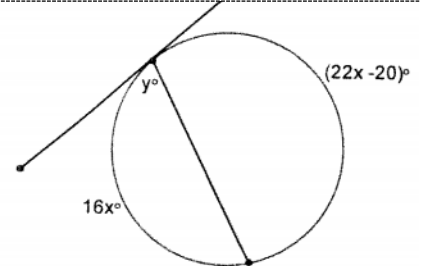
$x = \underline{\hspace{1cm}}$ $y = \underline{\hspace{1cm}}$ SUM = $\underline{\hspace{2cm}}$

9)



$x = \underline{\hspace{1cm}}$ $y = \underline{\hspace{1cm}}$ SUM = $\underline{\hspace{2cm}}$

10)



$x = \underline{\hspace{1cm}}$ $y = \underline{\hspace{1cm}}$ SUM = $\underline{\hspace{2cm}}$

LEVEL: MASTERY

11) Given: \overleftrightarrow{WV} is tangent to circle P and $\widehat{WE} = 140^\circ$. Find the following numbered angles.

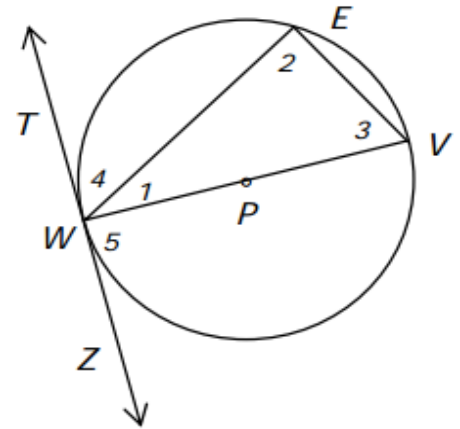
a) $m\angle 1 = \underline{\hspace{2cm}}$

b) $m\angle 2 = \underline{\hspace{2cm}}$

c) $m\angle 3 = \underline{\hspace{2cm}}$

d) $m\angle 4 = \underline{\hspace{2cm}}$

e) $m\angle 5 = \underline{\hspace{2cm}}$



12) Given: \overleftrightarrow{TW} is tangent to circle P, $\widehat{SK} = 80^\circ$, and $\angle 2 = 70^\circ$. Answer the following questions.

a) $m\angle 1 = \underline{\hspace{2cm}}$

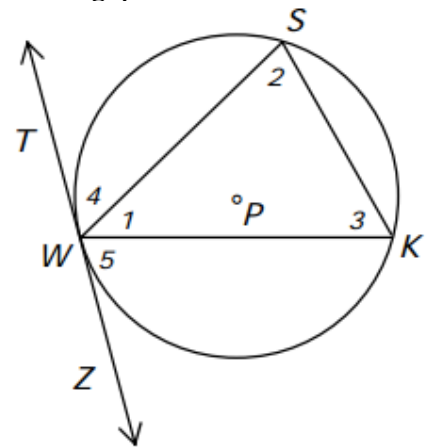
b) $m\angle 3 = \underline{\hspace{2cm}}$

c) $m\angle 4 = \underline{\hspace{2cm}}$

d) $m\angle 5 = \underline{\hspace{2cm}}$

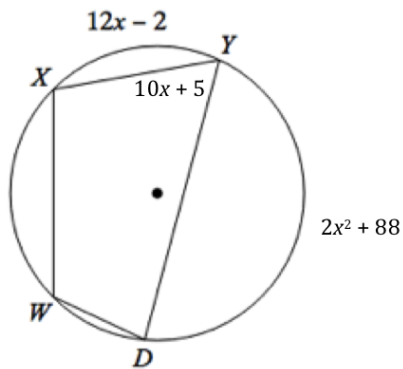
e) $m\widehat{SW} = \underline{\hspace{2cm}}$

f) $m\widehat{WSK} = \underline{\hspace{2cm}}$



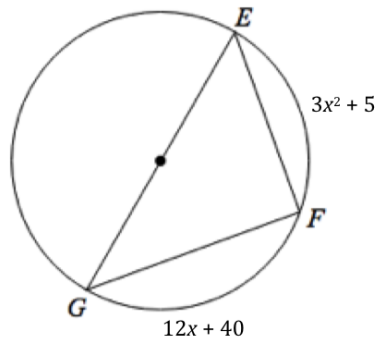
Directions: Find the indicated values.

13)



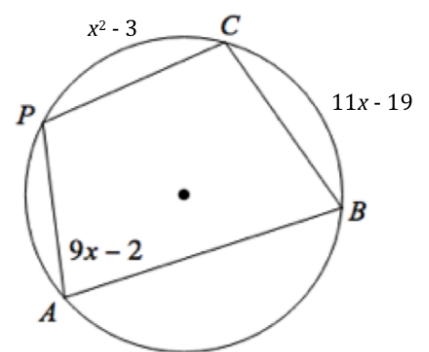
$m\widehat{XY} = \underline{\hspace{2cm}}$

14)



$m\angle GEF = \underline{\hspace{2cm}}$

15)



$m\angle PAB = \underline{\hspace{2cm}}$