

1. Determine the requested value(s). (Lines that appear to be tangent are tangent.)

a)

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

b)

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

c)

$m\hat{1} = \underline{\hspace{2cm}}$

d)

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

e)

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

f)

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

g)

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

h)

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

i)

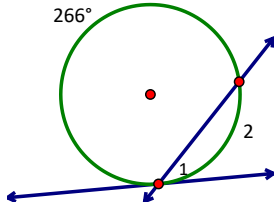
$m\hat{1} = \underline{\hspace{2cm}}$

j)

$m\hat{1} = \underline{\hspace{2cm}}$

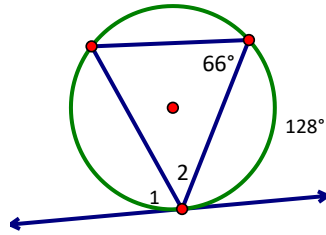
2. Determine the requested value(s). (Lines that appear to be tangent are tangent.)

a)



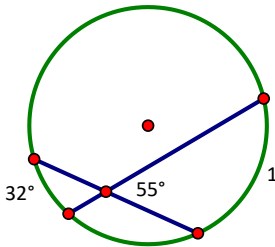
$m\angle 1 = \underline{\hspace{2cm}}$ $m\widehat{2} = \underline{\hspace{2cm}}$

b)



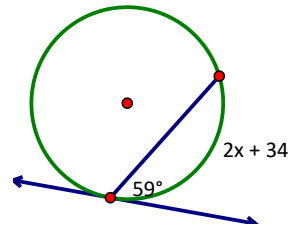
$m\angle 1 = \underline{\hspace{2cm}}$ $m\angle 2 = \underline{\hspace{2cm}}$

c)



$m\widehat{1} = \underline{\hspace{2cm}}$

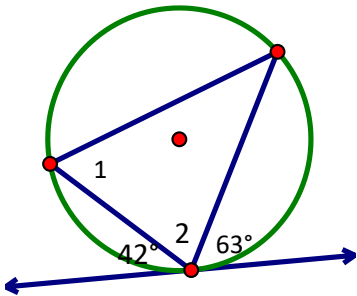
d)



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

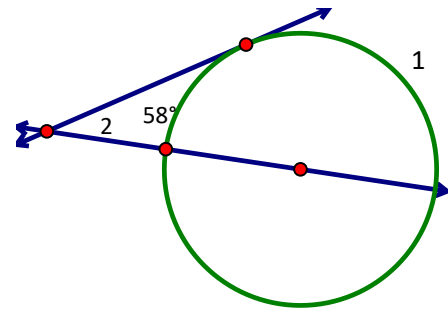
3. Determine the requested value(s). (Lines that appear to be tangent are tangent.)

a)



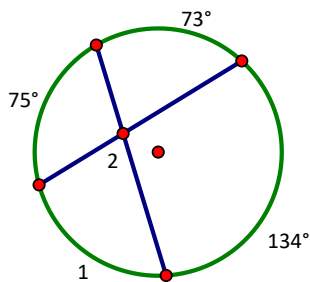
$m\angle 1 = \underline{\hspace{2cm}}$ $m\angle 2 = \underline{\hspace{2cm}}$

b)



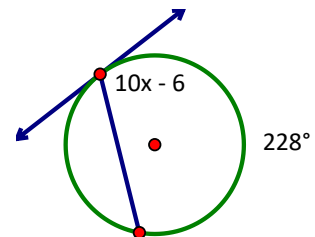
$m\widehat{1} = \underline{\hspace{2cm}}$ $m\angle 2 = \underline{\hspace{2cm}}$

c)



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

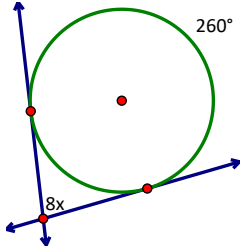
d)



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

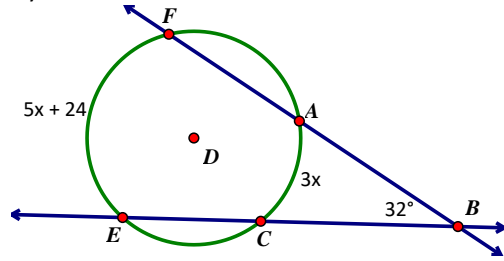
4. Determine the requested value(s). (Lines that appear to be tangent are tangent.)

a)



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

b)



$x = \underline{\hspace{2cm}} \quad m\widehat{EF} = \underline{\hspace{2cm}}$

5. Solve for the missing values.

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

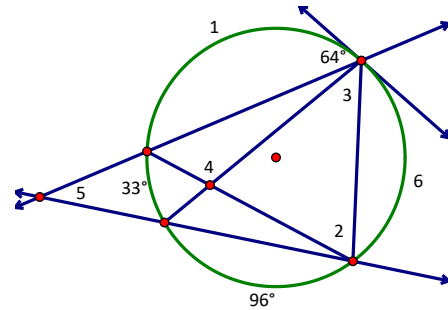
b) $m\angle 2 = \underline{\hspace{2cm}}$

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

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

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

f) $m\widehat{6} = \underline{\hspace{2cm}}$



6. Solve for the missing values.

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

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

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

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

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

f) $m\angle 6 = \underline{\hspace{2cm}}$

