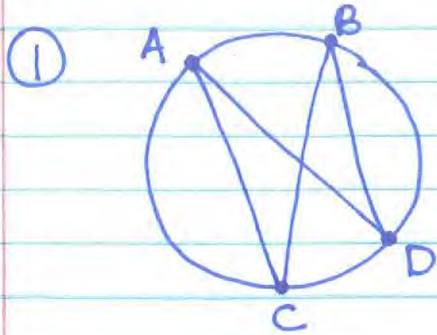
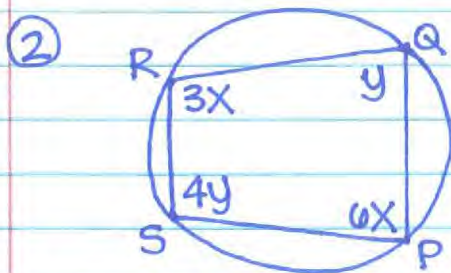


Practice (More on Inscribed Angles)

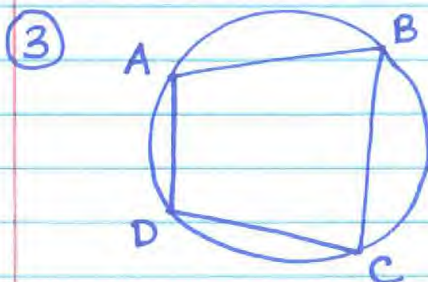


$m\angle CAD = 30^\circ$
 $m\angle ACB = 12^\circ$

- a) $m\angle ADB =$ _____
- b) $m\widehat{CD} =$ _____
- c) $m\angle CBD =$ _____
- d) $m\widehat{AB} =$ _____

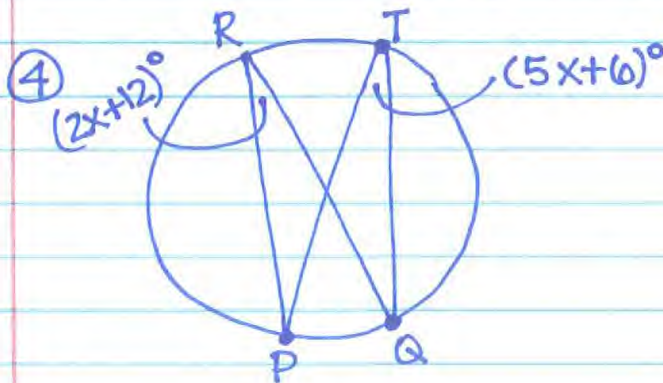


$x =$ _____
 $y =$ _____
 $m\angle R =$ _____
 $m\angle Q =$ _____
 $m\angle S =$ _____
 $m\angle P =$ _____



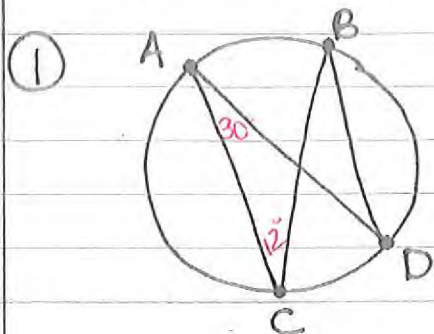
$m\widehat{BC} = 208^\circ$
 $m\widehat{AD} = 96^\circ$

$m\angle A = 83^\circ$ $m\angle B =$ _____
 $m\angle C =$ _____ $m\angle D =$ _____



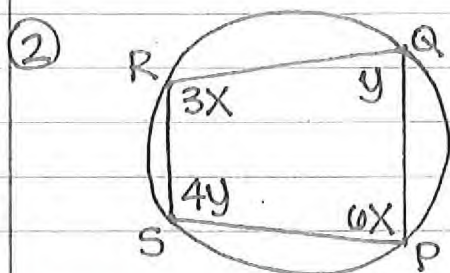
Find $m\widehat{PQ}$.

Practice (More on Inscribed Angles)



$m\angle CAD = 30^\circ$
 $m\angle ACB = 12^\circ$

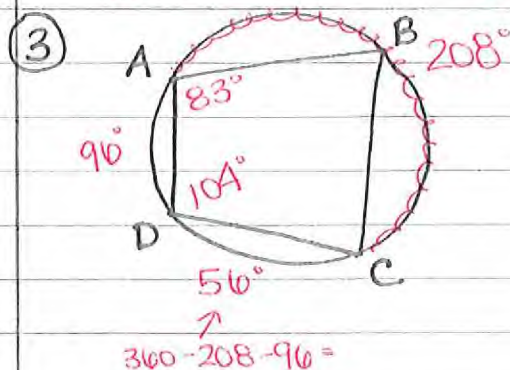
- a) $m\angle ADB = 12^\circ$
- b) $m\widehat{CD} = 60^\circ$
- c) $m\angle CBD = 30^\circ$
- d) $m\widehat{AB} = 24^\circ$



$3x + 6x = 180$
 $9x = 180$
 $x = 20$

$y + 4y = 180$
 $5y = 180$
 $y = 36$

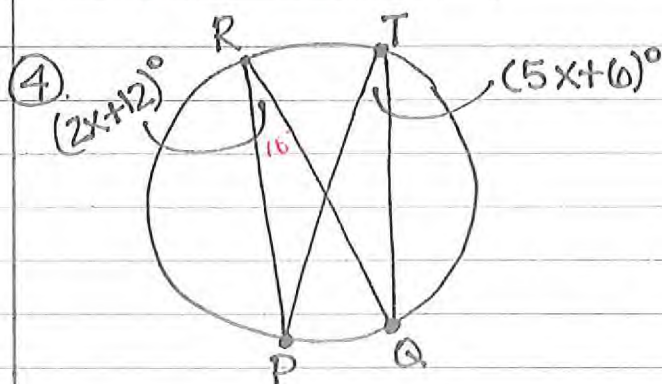
$x = 20$
 $y = 36$
 $m\angle R = 60^\circ \quad 3(20)$
 $m\angle Q = 36^\circ$
 $m\angle S = 144^\circ \quad 4(36)$
 $m\angle P = 120^\circ \quad 6(20)$



$m\widehat{ABC} = 208^\circ$
 $m\widehat{AD} = 90^\circ$

$m\angle A = 83^\circ$
 $m\angle C = 97^\circ$
 $m\angle B = 70^\circ$
 $m\angle D = 104^\circ$

Handwritten notes:
 $180 - 104 \rightarrow$
 $208 \div 2 \uparrow$



Find $m\widehat{PQ}$.

$m\angle R = m\angle T$
 $2x + 12 = 5x + 6$
 $12 = 3x + 6$
 $6 = 3x$
 $2 = x$
 $m\angle R = 2(2) + 12 = 16^\circ$
 $m\widehat{PQ} = 2 \cdot 16^\circ = 32^\circ$