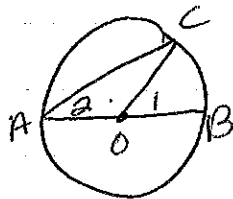


Pg. 342 #10-13, 16

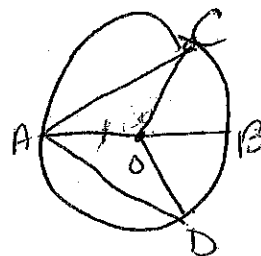
10)

|               |                 |    |    |    |    |      |
|---------------|-----------------|----|----|----|----|------|
|               | $m\widehat{CB}$ | 60 | 70 | 56 | 50 | $2x$ |
| Sum           | $m\angle 1$     | 60 | 70 | 56 | 50 | $2x$ |
| $\frac{1}{2}$ | $m\angle 2$     | 30 | 35 | 28 | 25 | $x$  |

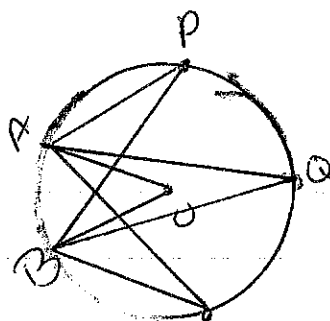


11)

|               |                 |             |    |     |     |                    |
|---------------|-----------------|-------------|----|-----|-----|--------------------|
|               | $m\widehat{CB}$ | 70          | 60 | 64  | 60  | $p$                |
|               | $m\widehat{BD}$ | 30          | 28 | 34  | 44  | $q$                |
|               | $m\angle COD$   | $100^\circ$ | 88 | 100 | 104 | $p+q$              |
| $\frac{1}{2}$ | $m\angle CAD$   | 50          | 44 | 50  | 52  | $\frac{1}{2}(p+q)$ |



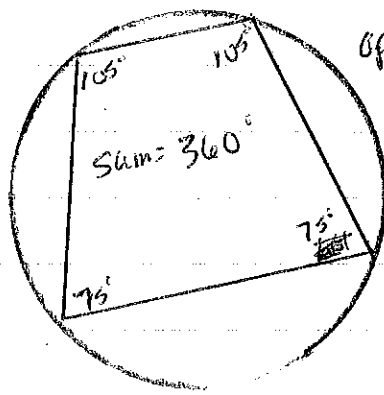
12)



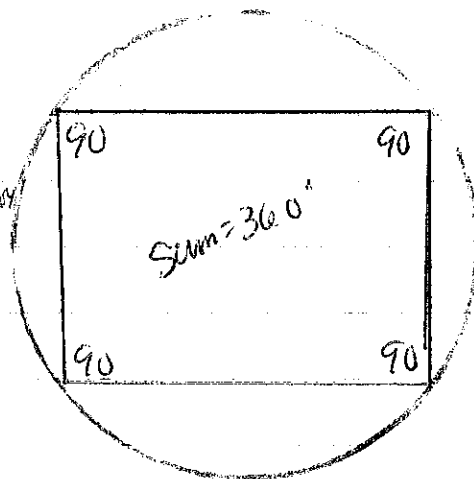
b.)  $m\angle AOB = 48^\circ$   
 $m\angle APB = 24^\circ$   
 $m\angle AQB = 24^\circ$   
 $m\angle ARB = 24^\circ$

c.)  $m\angle APB = m\angle AQB = \angle ARB$   
 $m\angle AOB = 2m\angle APB$

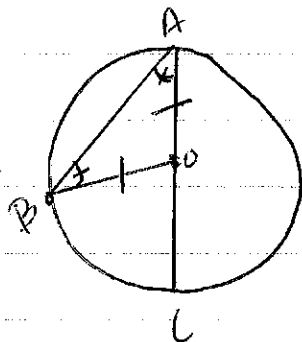
13)



opp.  $\angle$ 's of an inscribed Quad are supplementary



16)



a)  $m\angle A = 35^\circ$

$m\angle B = 35^\circ$

$m\angle BOC = 70^\circ$  (ext.  $\angle$  Thm)

$m\widehat{BC} = 70^\circ$

b)  $m\angle A = n$

$m\widehat{BC} = 2n$

c)  $m\widehat{BC} = 60^\circ$ , then  $m\angle A = 30^\circ$