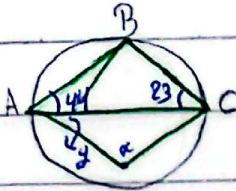


أوجد قيمتي كل من x و y

3)



$$180 = 44 + 23 + m\angle B$$

$$360 = 226 + m\angle C$$

$$\begin{array}{r} 360 \\ - 226 \\ \hline \end{array}$$

$$180 = 67 + m\angle B$$

$$\begin{array}{r} 180 \\ - 67 \\ \hline \end{array}$$

$$m\angle C = 113$$

 $\angle ABC \rightarrow$ زاوية محيطية $\angle AOC \rightarrow$ زاوية مركزية

$$m\angle B = 113$$

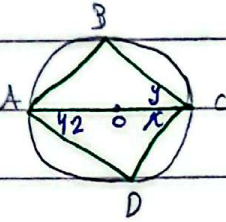
$$\begin{array}{r} 180 + 113 + 24 \\ - 113 - 113 \\ \hline \end{array}$$

$$m\angle AOC = 2 \cdot 113 = 226$$

$$24 = \frac{46}{2} \quad y = 23$$

$$m\angle y = 23$$

6)

 $\angle AOC =$ زاوية مركزية

$$180 = 90 + 2y$$

$$\begin{array}{r} 180 \\ - 90 \\ \hline \end{array}$$

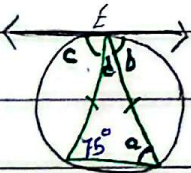
$$m\angle AOC = 2m\angle ABC$$

$$\frac{180}{2} = \frac{2m\angle ABC}{2}$$

$$\frac{90}{2} = \frac{2y}{2} \quad y = 45$$

$$m\angle ABC = 90$$

7)



مماسات متقاطعة الفلجين زوايا القاعدة متساويتان

$$180 = 75 + 75 + m\angle d$$

$$180 = 150 + m\angle d$$

$$\begin{array}{r} 180 \\ - 150 \\ \hline \end{array}$$

$$m\angle d = 30$$

$$m\angle C = 75$$

$$m\angle b = 75$$

$$m\angle AOC = 2m\angle ADC$$

$$m\angle ADC = 90$$

$$\frac{180}{2} = \frac{2m\angle ADC}{2}$$

$$180 = 42 + 90 + x$$

$$180 = 132 + x$$

$$m\angle x = 48$$