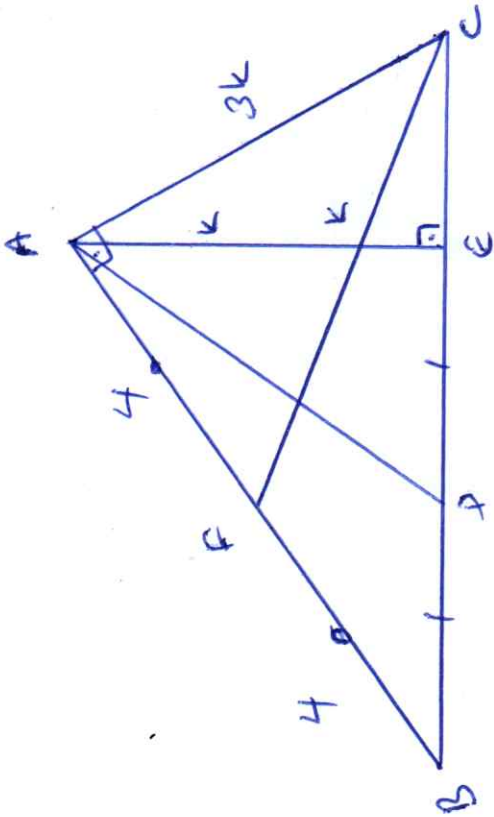
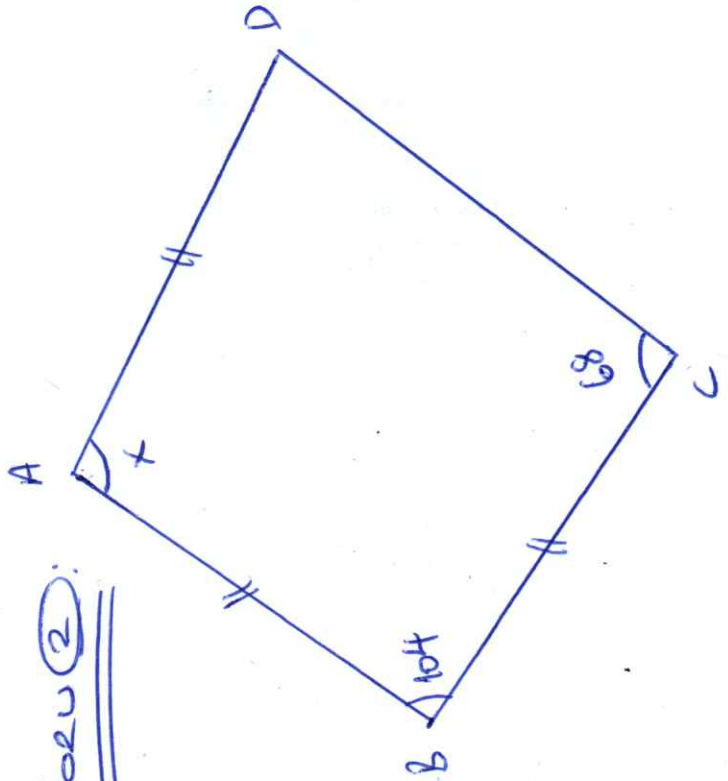


Solu (1):



$$\begin{aligned} |BD| &= |DE| \\ |AF| &= 4 = |BF| \\ |AK| &= k \\ |AC| &= 3k \\ [BA] &= [AC] \\ [AE] &= [BC] \\ |DC| &=? \end{aligned}$$

Solu (2):



$$\begin{aligned} |AB| &= |CD| = |BC| \\ m(\widehat{ABC}) &= 104 \\ m(\widehat{BCD}) &= 68 \\ m(\widehat{BAD}) &= x = ? \end{aligned}$$