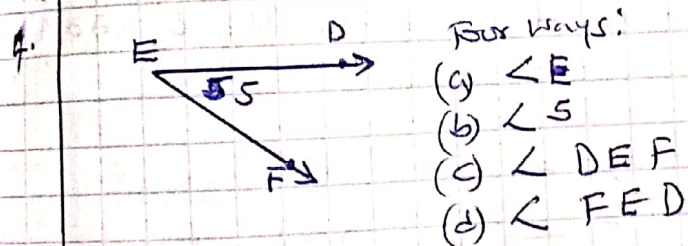
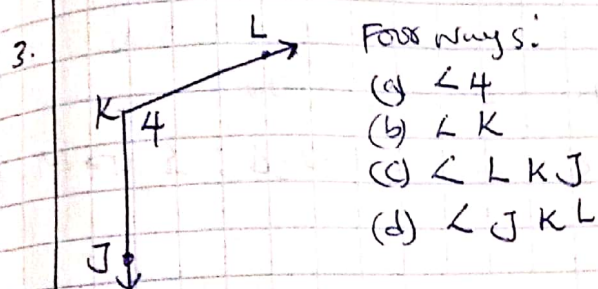
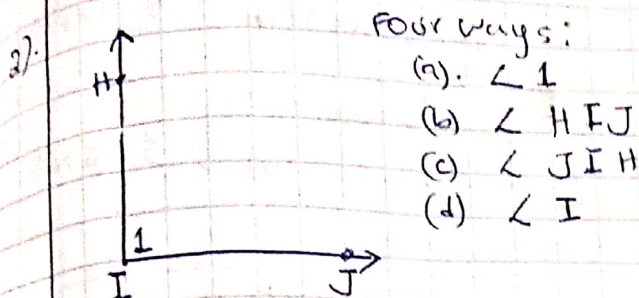
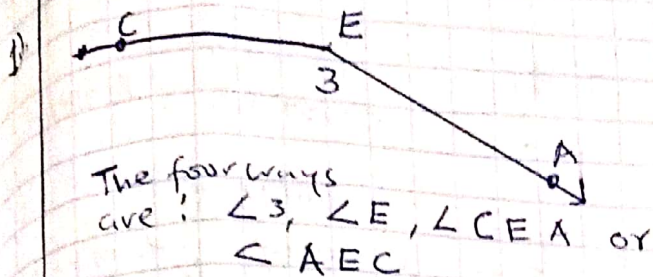
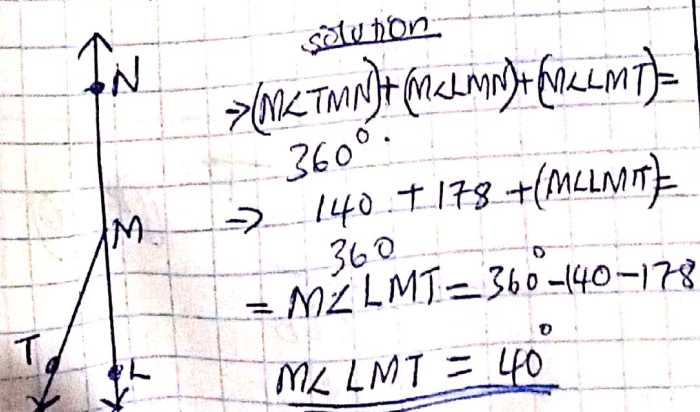


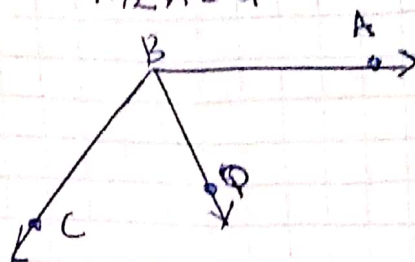
Name each angle in four ways



5)  $m\angle TMN = 140^\circ$  and  $m\angle LMN = 178^\circ$   
Find  $m\angle LMT$



6)  $m\angle ABC = 144^\circ$  and  $m\angle QBC = 78^\circ$   
Find  $m\angle ABQ$



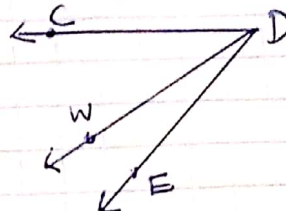
Solution

$$m\angle ABQ = m\angle ABC - m\angle QBC$$

$$= 144^\circ - 78^\circ$$

$$= 66^\circ$$

7)  $m\angle WDC = 36^\circ$  and  $m\angle EDC = 64^\circ$   
Find  $m\angle EDW$



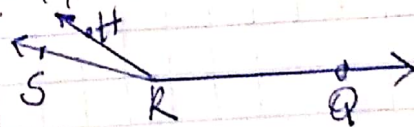
Solution

$$m\angle EDW = (m\angle EDC) - (m\angle WDC)$$

$$= 64^\circ - 36^\circ$$

$$m\angle EDW = 28^\circ$$

8)  $m\angle SRQ = 174^\circ$  and  $m\angle SRH = 44^\circ$ . Find  $m\angle HRQ$



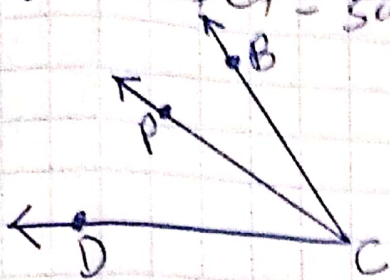
Solution

$$m\angle HRQ = m\angle SRQ - m\angle SRH$$

$$= 174^\circ - 44^\circ$$

$$= 130^\circ$$

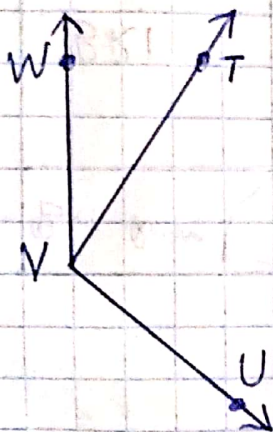
9. Find  $m\angle DCB$  if  $m\angle PCB = 26^\circ$   
and  $m\angle DCP = 50^\circ$



Solution

$$\begin{aligned} m\angle DCB &= m\angle PCB + m\angle DCP \\ &= 26^\circ + 50^\circ \\ &= 76^\circ \end{aligned}$$

10. Find  $m\angle TVU$  if  $m\angle WVU = 147^\circ$   
and  $m\angle WVT = 27^\circ$



Solution.

$$\begin{aligned} m\angle TVU &= m\angle WVU - m\angle WVT \\ &= 147^\circ - 27^\circ \\ &= 120^\circ \end{aligned}$$