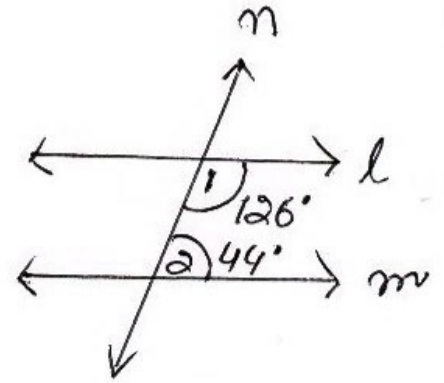


$$6 \text{ (i)} \quad \begin{aligned} \angle 1 + \angle 2 &= 126^\circ + 44^\circ \\ &= 170^\circ \\ &\neq 180^\circ \end{aligned}$$

\therefore cointerior \angle s are not supplementary

$\therefore l \nparallel m$



$$6 \text{ (ii)} \quad \angle 3 = \angle 1 = 75^\circ \text{ (vert. opp } \angle \text{s)}$$

$$\begin{aligned} \angle 2 + \angle 3 &= 75 + 75 \\ &= 150^\circ \\ &\neq 180^\circ \end{aligned}$$

\therefore cointerior \angle s are not supplementary

$\therefore l \nparallel m$

