

4(i)  $l \parallel m$

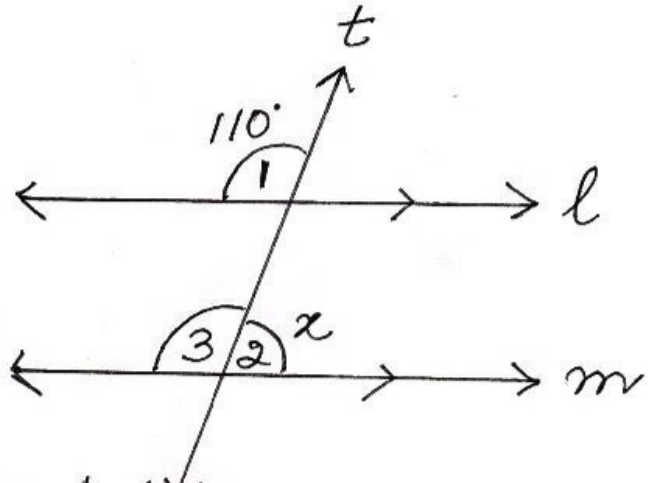
$$\therefore \angle 1 = \angle 3 = 110^\circ$$

(corresponding  $\angle$ s)

$$\angle 2 + \angle 3 = 180^\circ \text{ (linear pair)}$$

$$110 + x = 180$$

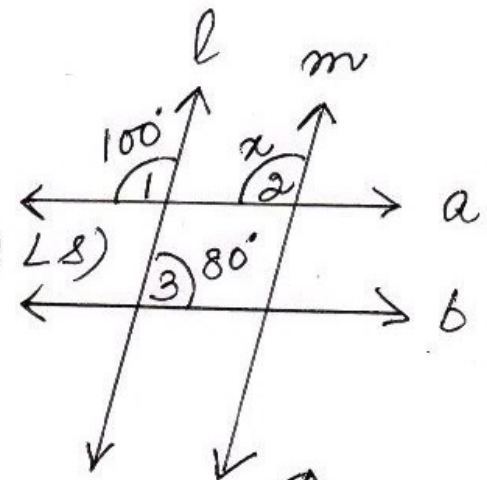
$$\Rightarrow x = 180 - 110 \\ = 70^\circ$$



4(ii)  $l \parallel m$

$$\angle 2 = \angle 1 \text{ (corresponding } \angle \text{s)}$$

$$\therefore x = 100^\circ$$



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$BA \parallel GD$

$$\therefore \angle ABC = \angle DGC = 70^\circ$$

(corresponding  $\angle$ s)

$BC \parallel EF$

$$\therefore \angle DEF = \angle DGC = 70^\circ \text{ (do)}$$

