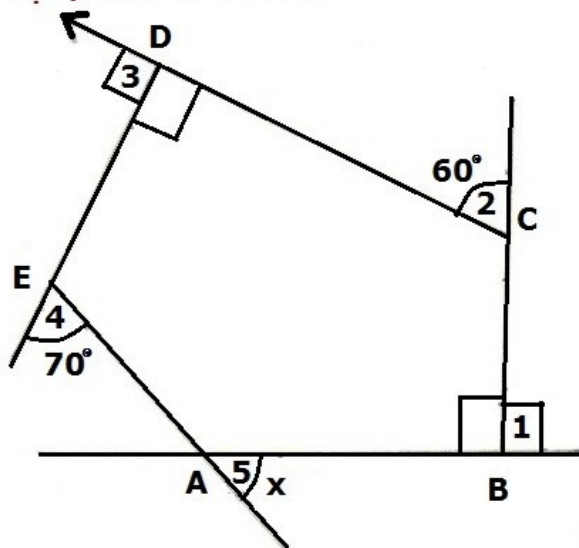


(a)



(b)

1(a)

$\angle 1, \angle 2$  and  $\angle 3$  are exterior angles of  $\triangle ABC$

$$\therefore \angle 1 + \angle 2 + \angle 3 = 360^\circ \quad \left[ \text{Sum of exterior } \angle \text{s of a polygon} \right]$$

$$125^\circ + 125^\circ + x = 360$$

$$\Rightarrow x = 360 - 250$$

$$\Rightarrow x = 110$$

1(b)

$\angle 1, \angle 2, \angle 3, \angle 4$  and  $\angle 5$  are exterior angles of a pentagon  $ABCDE$

$$\therefore \angle 1 + \angle 2 + \angle 3 + \angle 4 + \angle 5 = 360^\circ$$

$$90^\circ + 60^\circ + 90^\circ + 70^\circ + \angle 5 = 360^\circ$$

$$x = 360 - 310$$

$$= 50$$