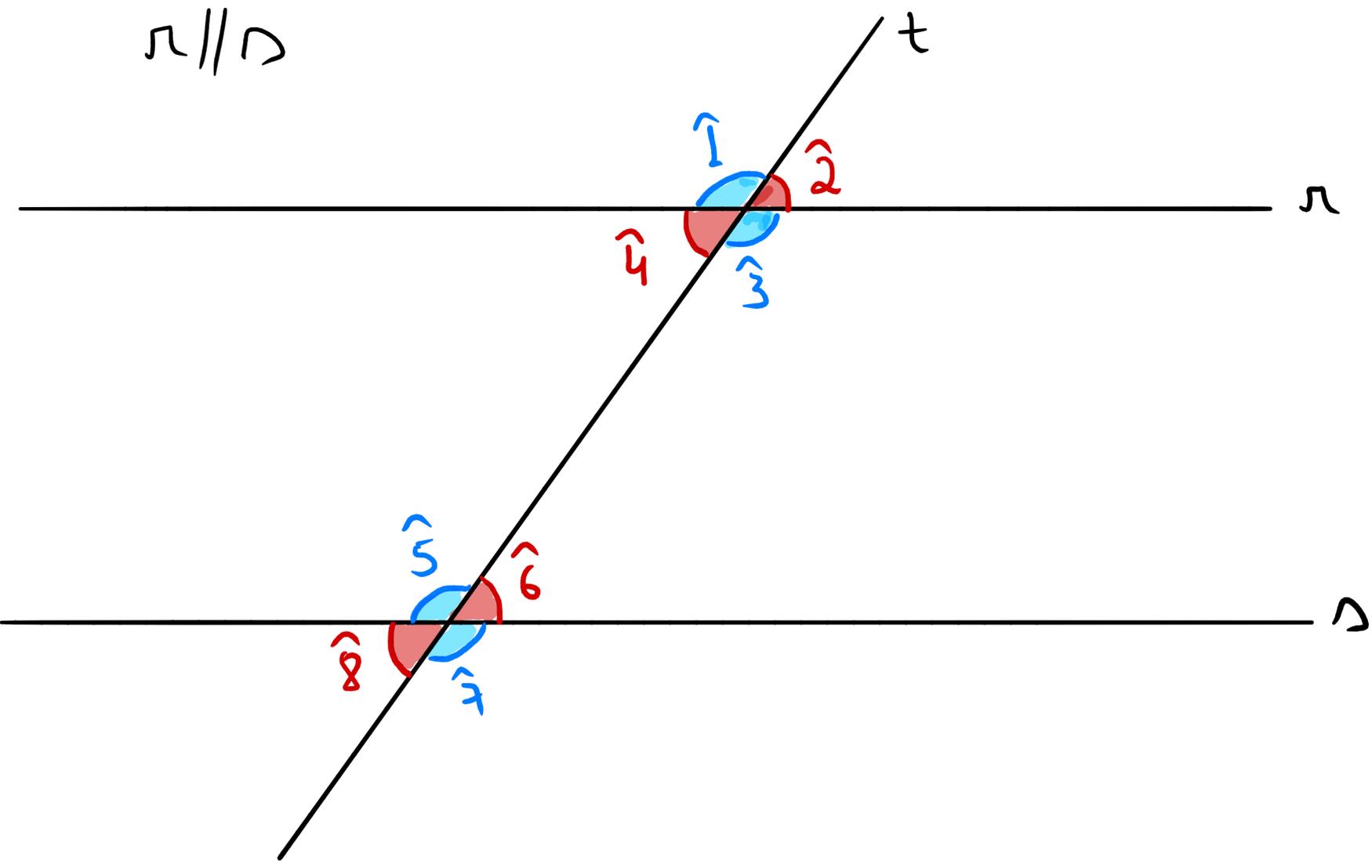


ÂNGULOS ENTRE RETAS PARALELAS

$r // s$



$\hat{1} \overset{OPV}{=} \hat{3}$	$\overset{AI}{=} \hat{5}$	$\overset{OPV}{=} \hat{7}$
$\hat{2} \overset{OPV}{=} \hat{4}$	$\overset{AI}{=} \hat{6}$	$\overset{OPV}{=} \hat{8}$

ALTERNOS INTERNOS $\hat{3} \text{ e } \hat{5} / \hat{4} \text{ e } \hat{6}$

ALTERNOS EXTERNOS $\hat{1} \text{ e } \hat{7} / \hat{2} \text{ e } \hat{8}$

COLATERAIS INTERNOS $\hat{3} \text{ e } \hat{6} / \hat{4} \text{ e } \hat{5}$

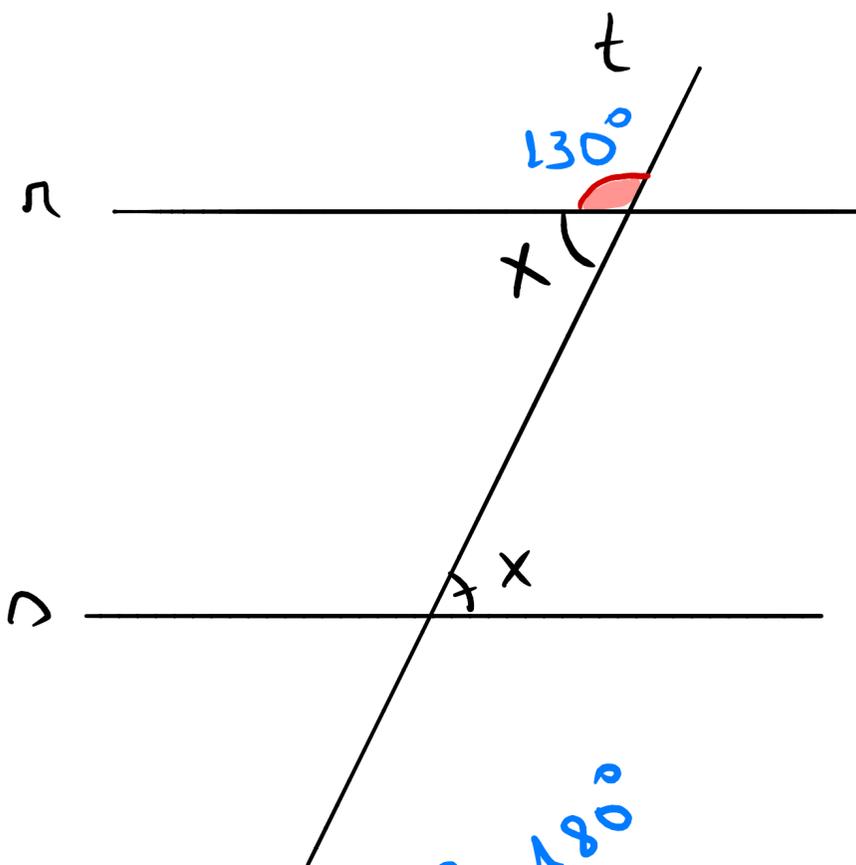
SUPLEMENTARES

COLATERAIS EXTERNOS $\hat{2} \text{ e } \hat{7} / \hat{1} \text{ e } \hat{8}$

SUPLEMENTARES

1) DETERMINE O VALOR DE X EM CADA CASO ABAIXO, SENDO $r \parallel d$.

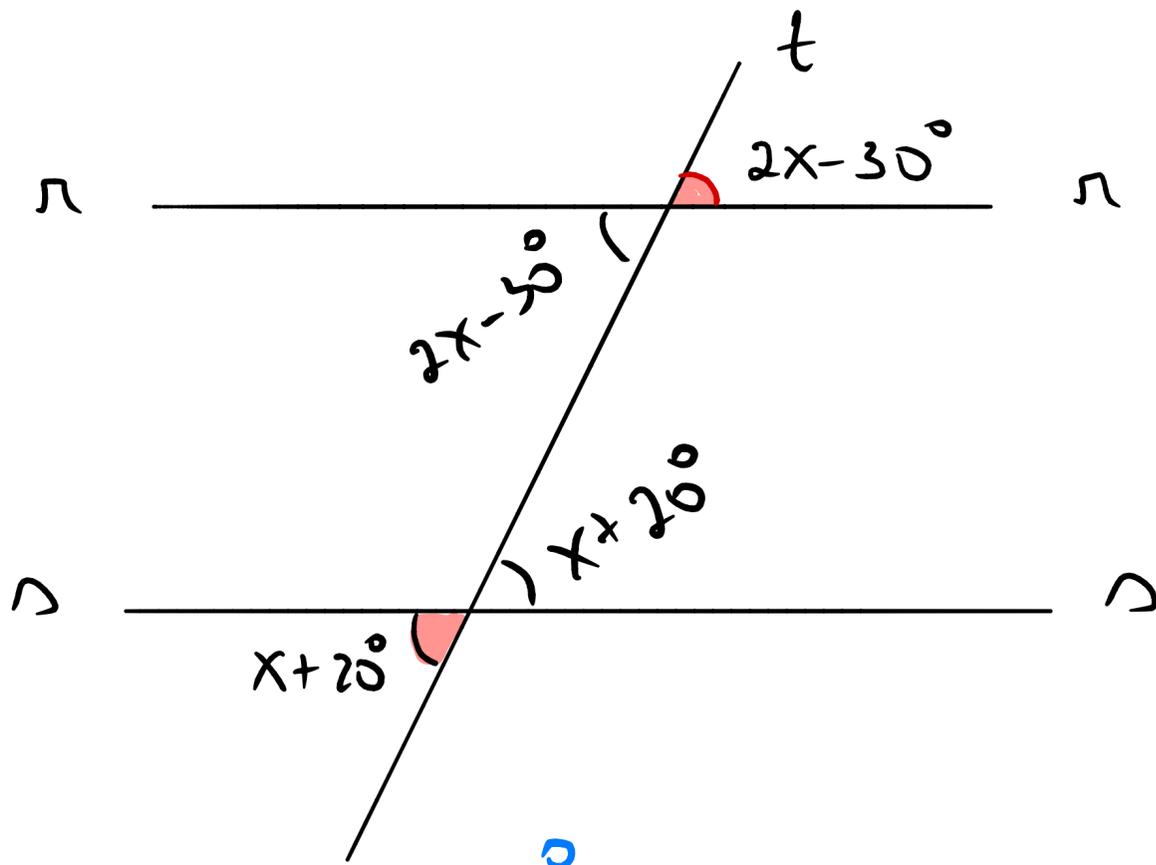
a)



$$x + 130^\circ = 180^\circ$$

$$x = 50^\circ$$

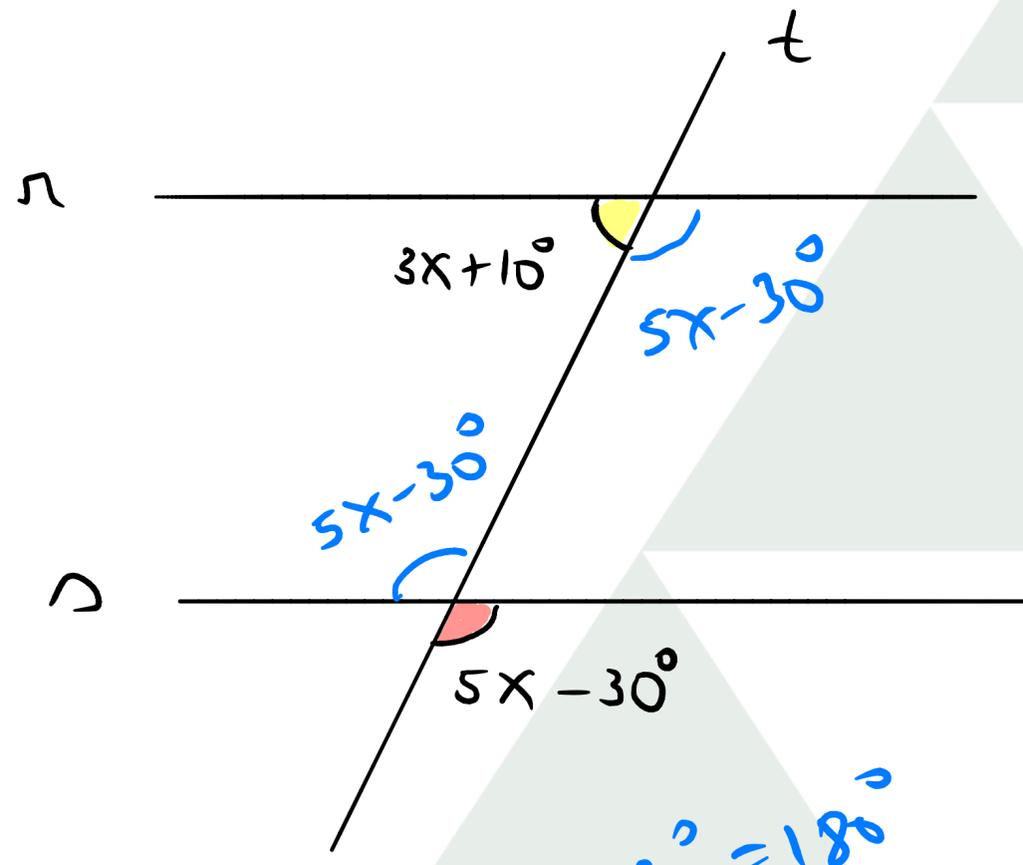
b)



$$2x - 30^\circ = x + 20^\circ$$

$$x = 50^\circ$$

c)



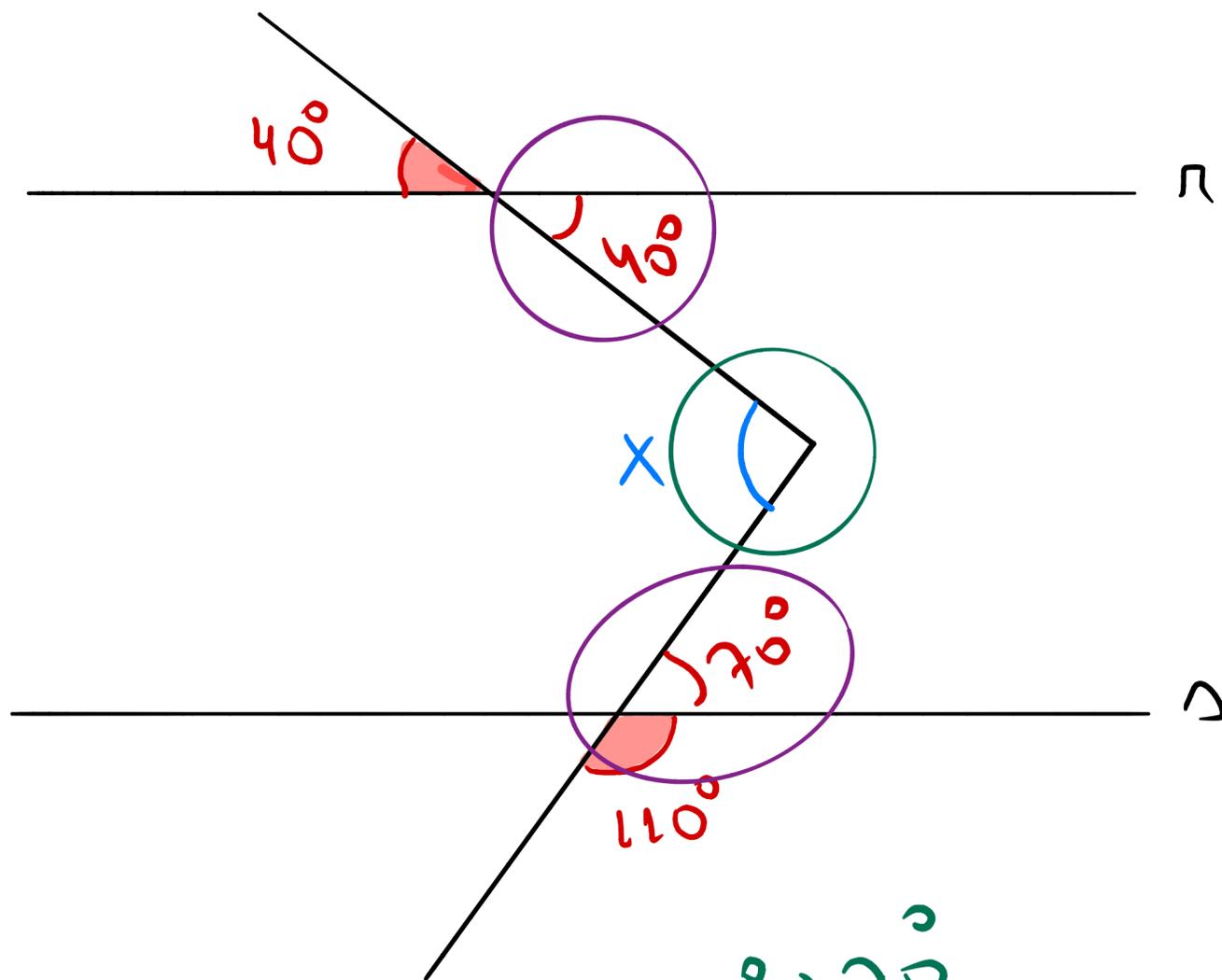
$$3x + 10^\circ + 5x - 30^\circ = 180^\circ$$

$$8x - 20^\circ = 180^\circ$$

$$8x = 200^\circ$$

$$x = 25^\circ$$

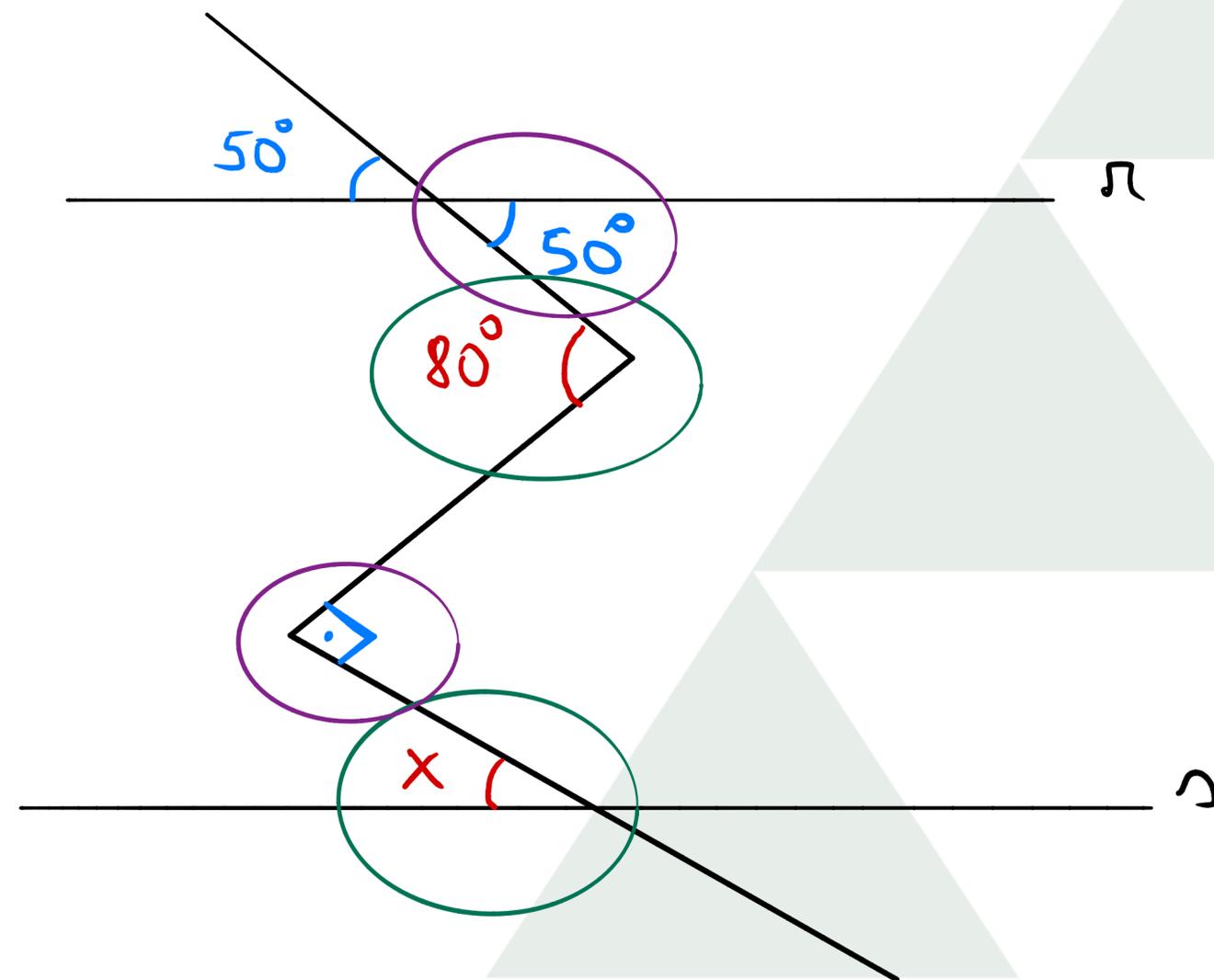
2) NA FIGURA ABAIXO, $r \parallel s$. DETERMINE X.



$$x = 40^\circ + 70^\circ$$

$$x = 110^\circ$$

3) NA FIGURA ABAIXO, $r \parallel s$. DETERMINE X.

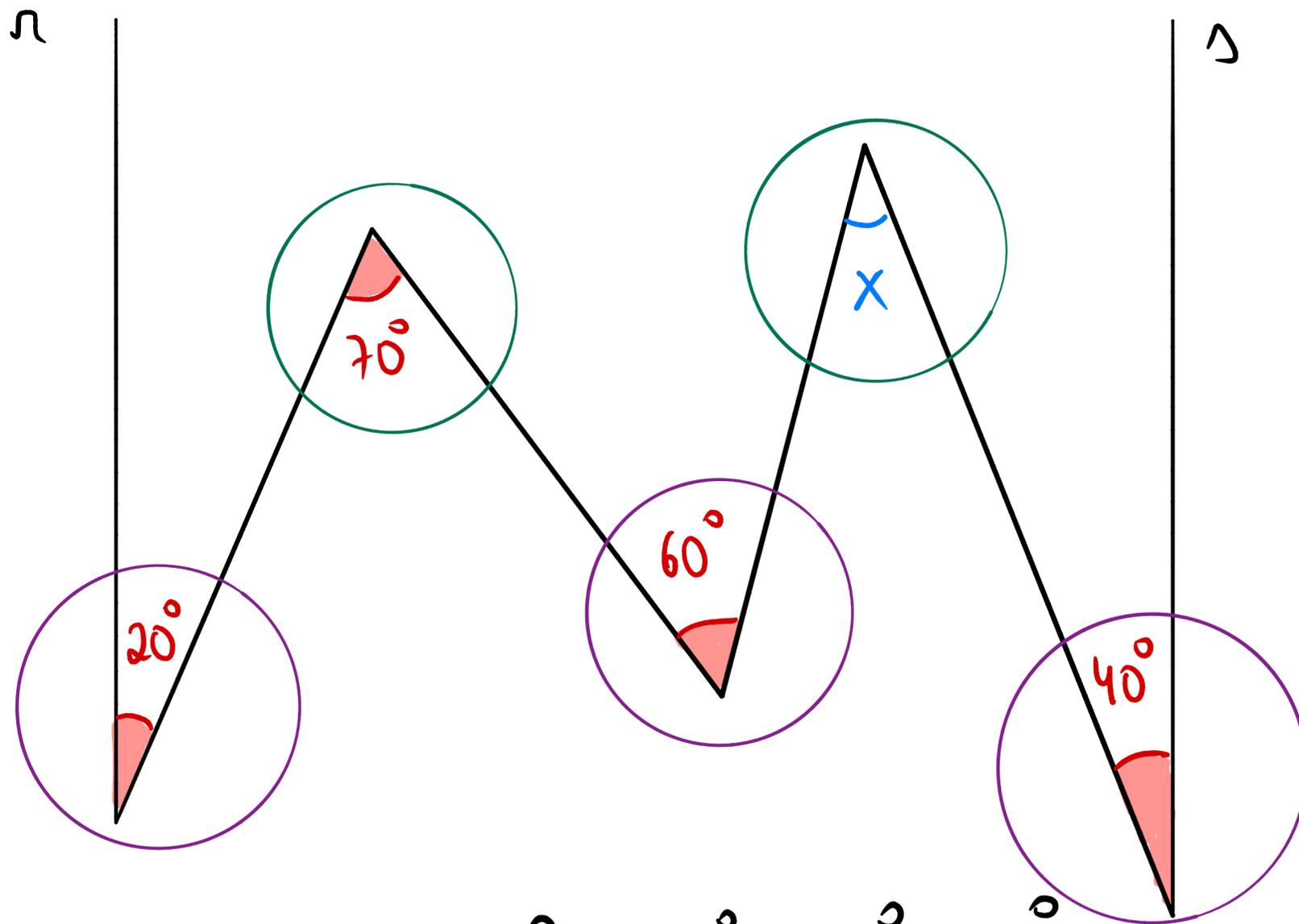


$$x + 80^\circ = 50^\circ + 90^\circ$$

$$x + 80^\circ = 140^\circ$$

$$x = 60^\circ$$

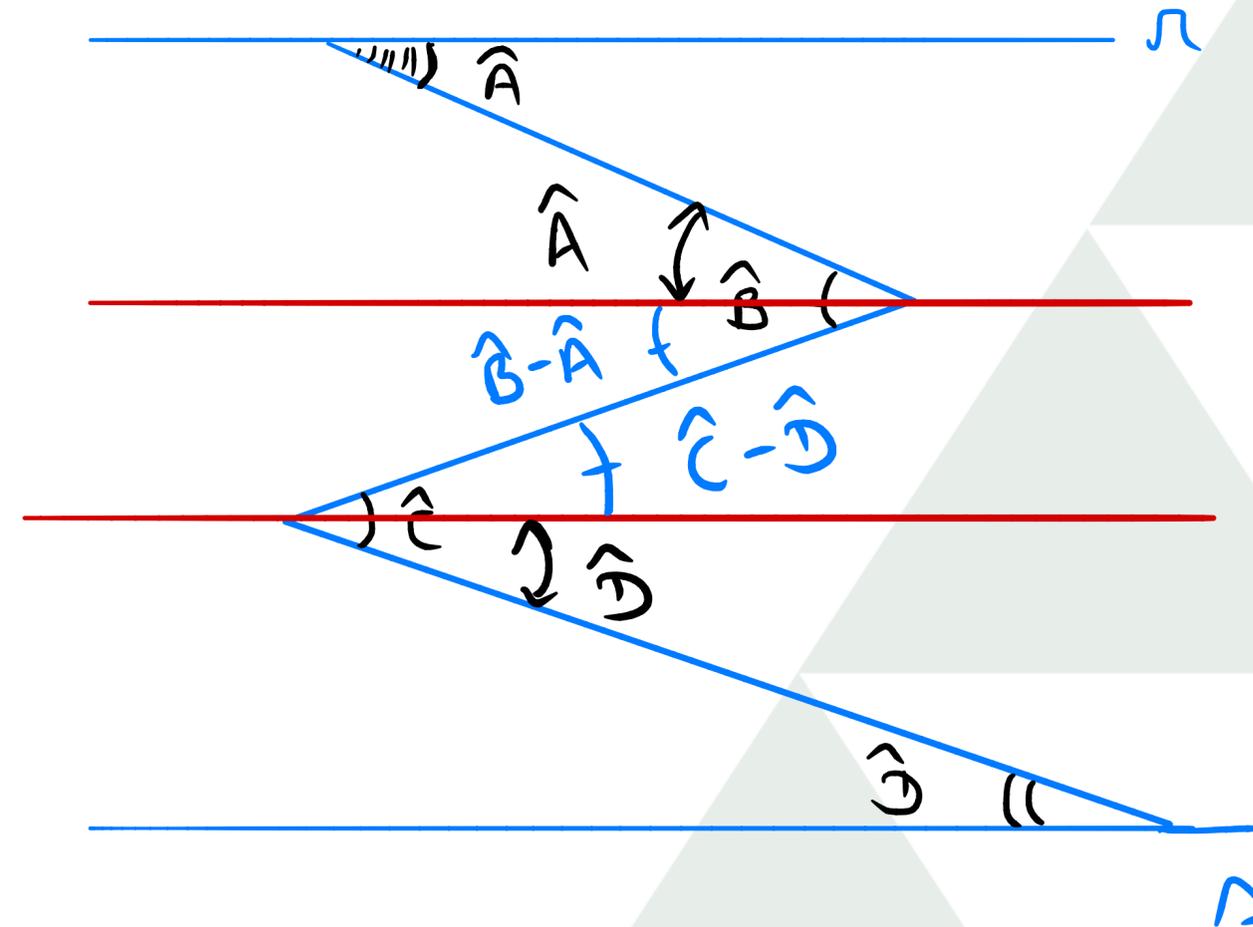
4) DETERMINE X SABENDO QUE $n \parallel d$.



$$X + 70^\circ = 20^\circ + 60^\circ + 40^\circ$$

$$X + 70^\circ = 120^\circ \quad X = 50^\circ$$

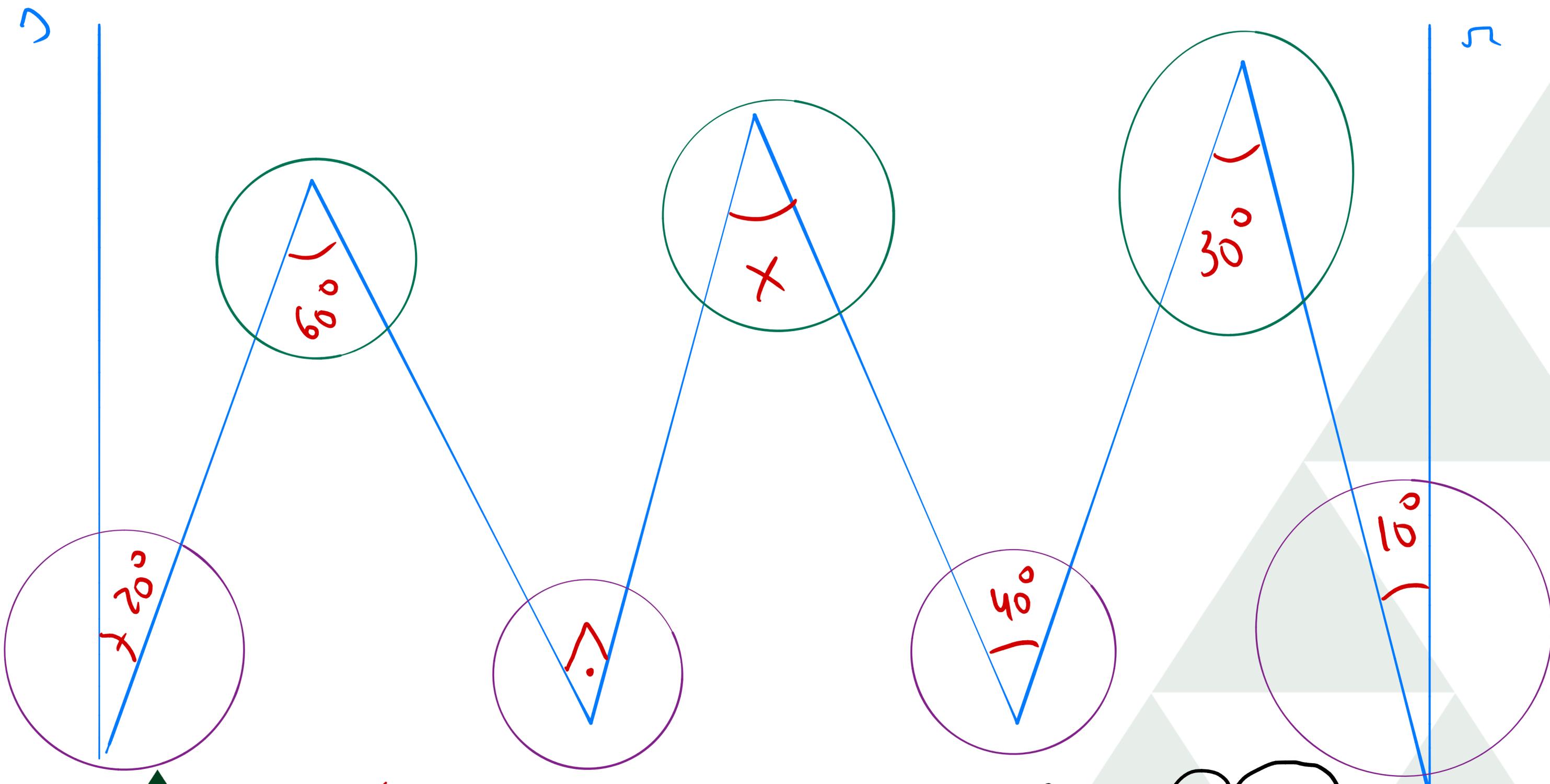
MACETINHO DO FOFINHO



$$\hat{C} - \hat{D} = \hat{B} - \hat{A}$$



$$\hat{A} + \hat{C} = \hat{B} + \hat{D}$$



$$\cancel{60^\circ} + x + \cancel{30^\circ} = 20^\circ + \cancel{90^\circ} + 40^\circ + 10^\circ$$

$x = 70^\circ$

π/π