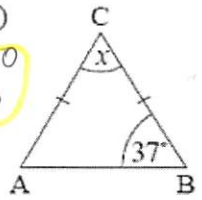
Devoirs 0 angles Nom_____per_____

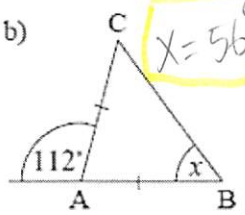
Pour tous les exercices suivants, il faut trouver la valeur des angles dénotés avec des lettres. Les diagrammes ne sont pas à l'échelle.

a)



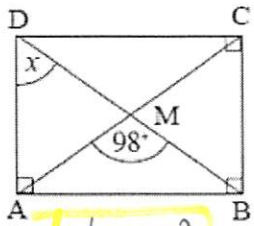
X=106°

b)



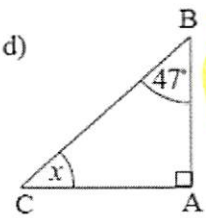
X=56°

c)



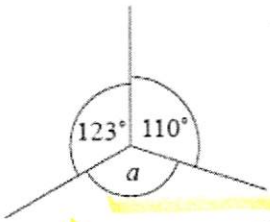
X=49°

d)



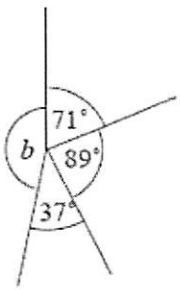
X=43°

(e)



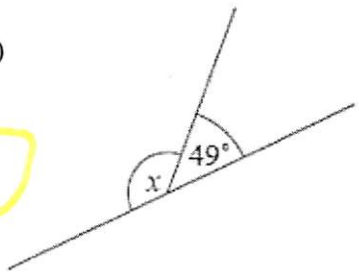
a=127°

(f)



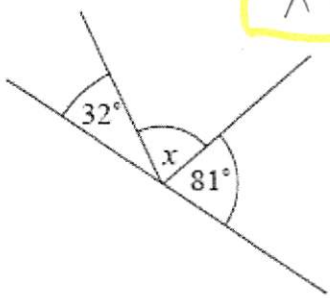
b=163°

(g)



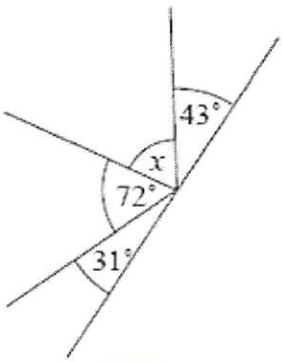
X=131°

(h)



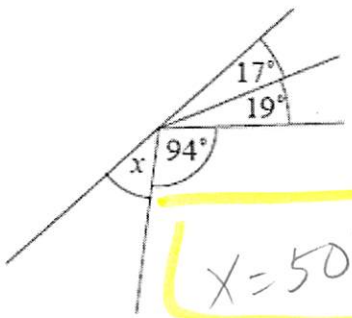
X=67°

(i)



X=34°

(j)



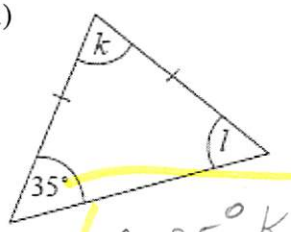
X=50°

(k)

$h = 57^\circ$

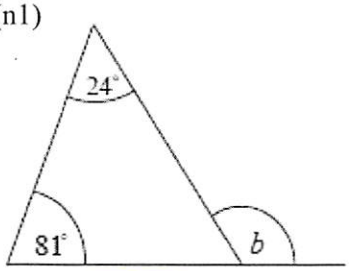
(l) $i = j = 79^\circ$

(m)



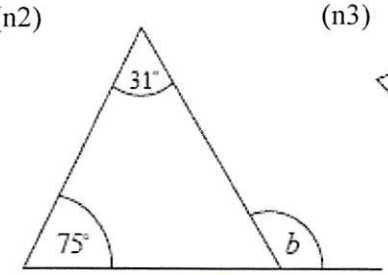
$l = 35^\circ, K = 110^\circ$

(n1)



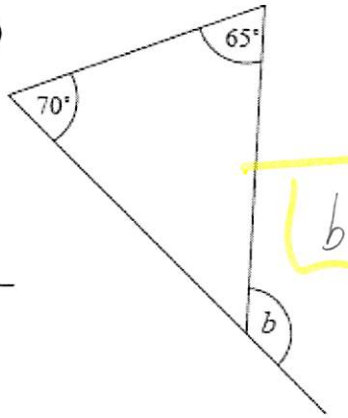
$b = 105^\circ$

(n2)



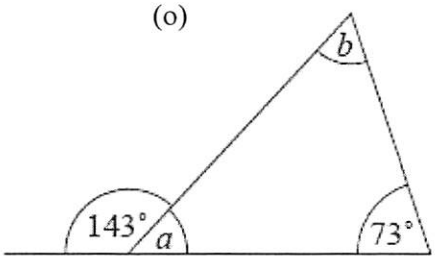
$b = 106^\circ$

(n3)



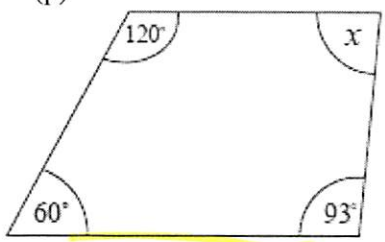
$b = 135^\circ$

(o)



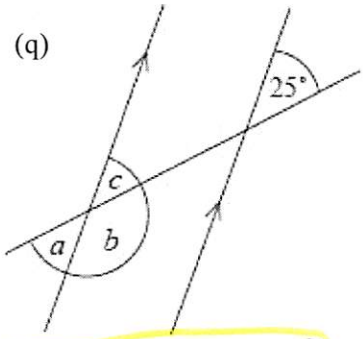
$a = 37^\circ$; $b = 70^\circ$

(p)



$x = 87^\circ$

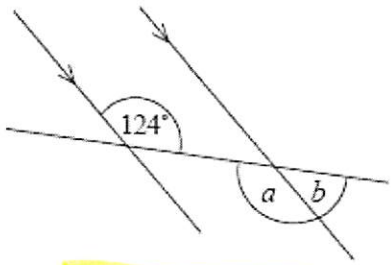
(q)



$a = c = 25^\circ$

$b = 155^\circ$

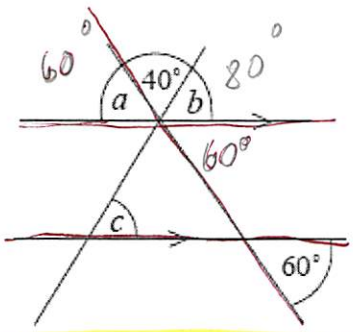
(r)



$a = 124^\circ$

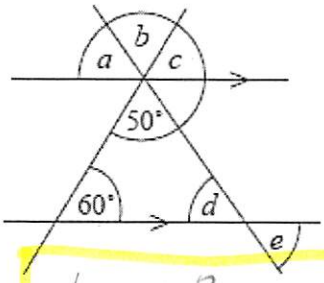
$b = 56^\circ$

(s)



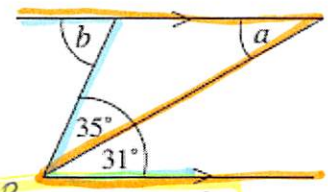
$a = 60^\circ$; $b = 80^\circ = c$

(t)



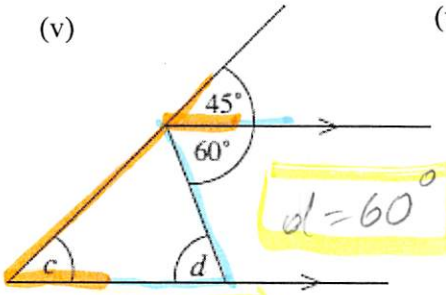
$b = 50^\circ$ $c = 60^\circ$ $a = d = e = 70^\circ$

(u)



$a = 31^\circ$; $b = 66^\circ$

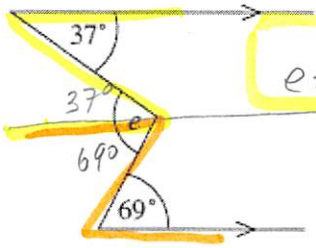
(v)



$d = 60^\circ$

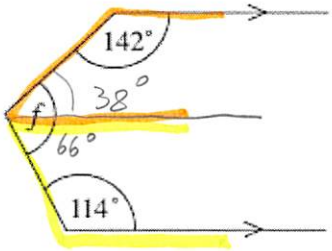
$c = 45^\circ$

(w)



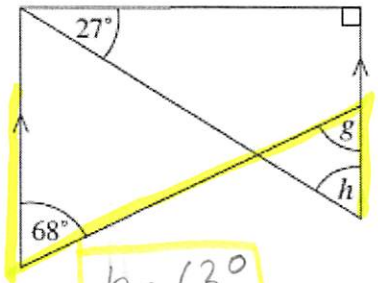
$e = 106^\circ$

(x)



$f = 104^\circ$

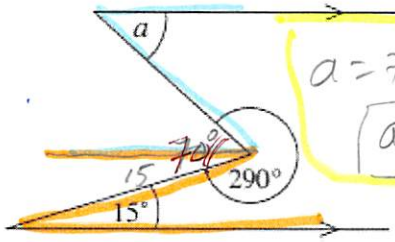
(y)



$h = 63^\circ$

$g = 68^\circ$

(z)

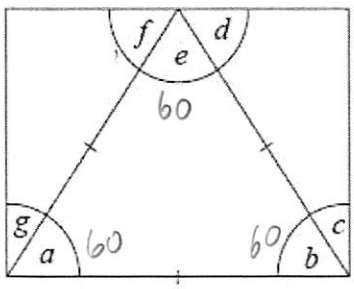


$a = 70 - 15$

$a = 55^\circ$

$360^\circ - 290^\circ = 70^\circ$

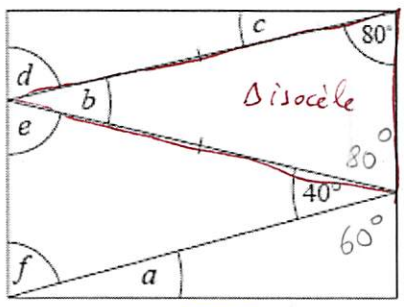
Important : les trois diagrammes suivants se trouvent à l'intérieur des rectangles :



$a = b = e = 60^\circ$

$g = c = 30^\circ$

$f = d = 60^\circ$

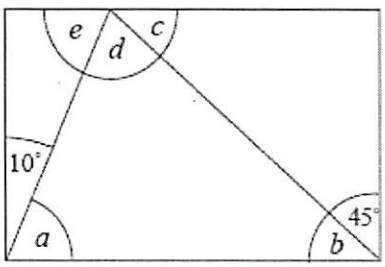


$g = 30^\circ$ $e = 80^\circ$

$c = 10^\circ$

$d = 80^\circ$ $f = 60^\circ$

$b = 20^\circ$

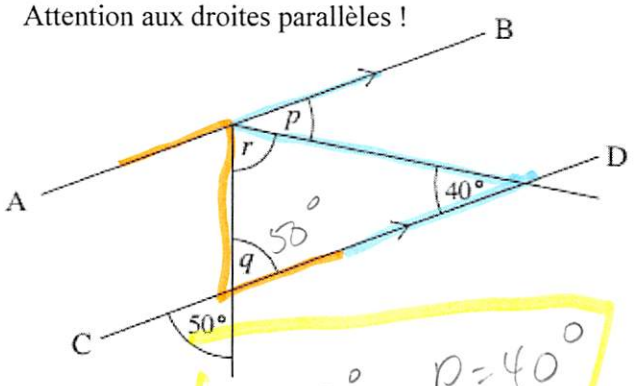


$a = 80^\circ = e$

$b = 45^\circ = c$

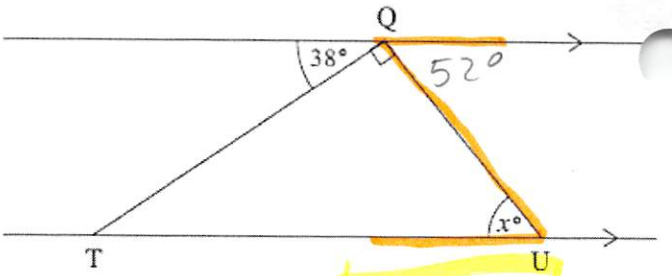
$d = 55^\circ$

Attention aux droites parallèles !



$q = 50°$ $p = 40°$

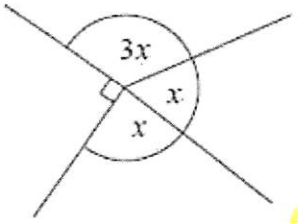
$r = 90°$



$x = 52°$

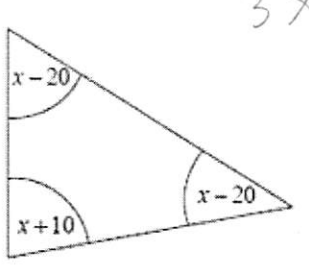
Quelle est la valeur de x dans les diagrammes suivants ?

(a)



$5x + 90° = 360°$ $x = 54°$

(b)

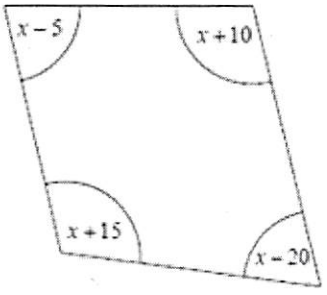


$3x - 30 = 180$

$3x = 210$

$x = 70°$

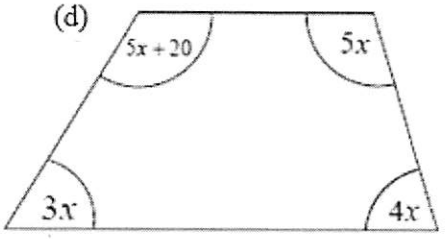
(c)



$4x + 25 - 25 = 360$

$x = 90°$

(d)



$3x + 4x + 5x + 5x + 20 = 360°$

$17x = 340°$

$x = 20°$