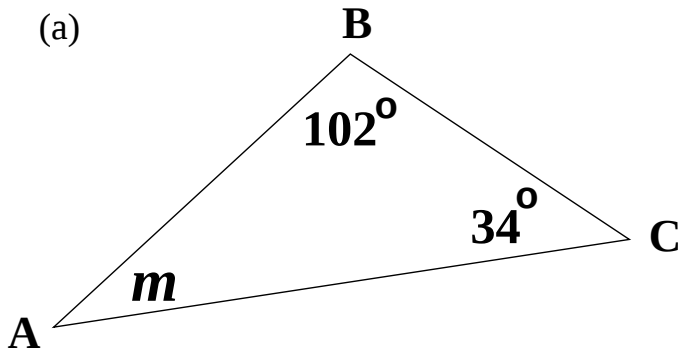


- (1) Bereken die waarde(s) van m en/of n in elk van die volgende:
Gee volledige redes.

(a)



$$m + 102^\circ + 34^\circ = 180^\circ$$

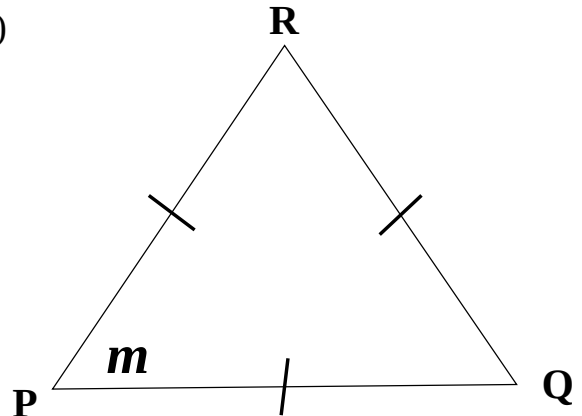
$$\therefore m + 136^\circ = 180^\circ$$

$$\therefore m + 136^\circ - 136^\circ = 180^\circ - 136^\circ$$

$$\therefore m = 44^\circ$$

[Binne $\angle^e$ van Δ is saam 180° .]

(b)



$$\therefore \hat{R} = \hat{Q} = m \text{ [Gelyksydige } \Delta]$$

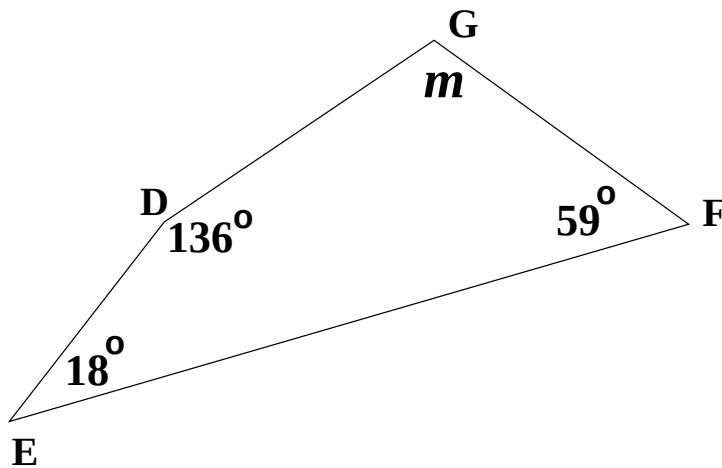
$$\text{maar } \hat{R} + \hat{Q} + m = 180^\circ$$

$$\therefore m + m + m = 180^\circ$$

$$\therefore m = 60^\circ$$

[Binne $\angle^e$ van Δ is saam 180° .]

(c)



$$m + 136^\circ + 18^\circ + 59^\circ = 360^\circ \quad \text{[Binne } \angle^e \text{ van vierhoek is saam } 360^\circ \text{.]}$$

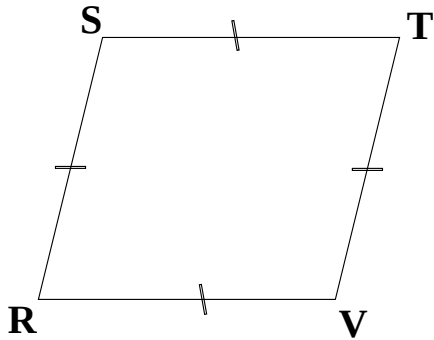
$$\therefore m + 213^\circ = 360^\circ$$

$$\therefore m + 213^\circ - 213^\circ = 360^\circ - 213^\circ$$

$$\therefore m = 147^\circ$$

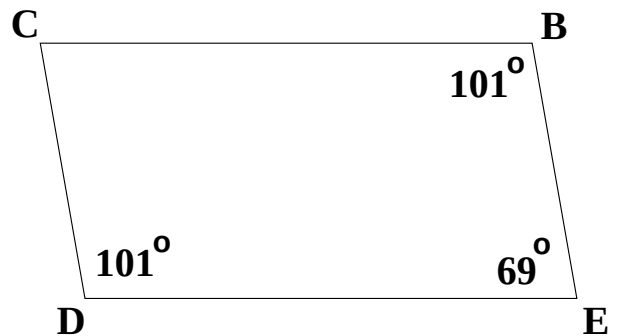
- (2) Is die volgende 'n parallelogram of 'n ruit of nie een van die twee nie?
Gee volledige redes en toon alle berekeninge.

(a)



RSTV is 'n ruit want al vier die sye is ewe lank.

(b)



[Binne $\angle^e$ van vierhoek is saam 360° .]

$$\therefore \hat{C} + 101^\circ + 69^\circ + 101^\circ = 360^\circ$$

$$\therefore \hat{C} + 271^\circ = 360^\circ$$

$$\therefore \hat{C} + 271^\circ - 271^\circ = 360^\circ - 271^\circ$$

$$\therefore \hat{C} = 89^\circ$$

$\therefore$ BCDE is nie 'n parallelogram of 'n ruit nie, want die teenoorstaande hoeke is nie ewe groot nie.