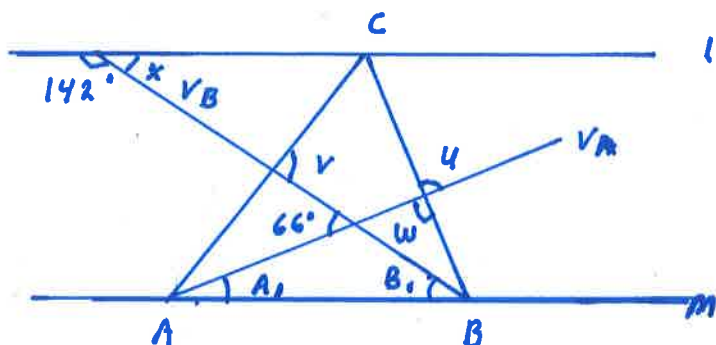


Verkefni 20

2.

 $l \parallel m$

$$\textcircled{1} \quad \begin{array}{r} x + 142^\circ \\ - 142^\circ \\ \hline \end{array} = 180^\circ \quad (\text{straight line})$$

$$x = 38^\circ$$

② $B_1 = x = 38'$ (einslag horn)

③ $B = 2V_B = 2 \cdot B_1 = 2 \cdot 38 = \underline{\underline{76^\circ}}$ (V_B skiptir horni B í)
(tvö jafnstór horn)

④ $y + 66^\circ = 180^\circ$ (grannhorn)
 $\quad \quad \quad -66^\circ \quad \quad -66^\circ$

$$\gamma = 114^\circ$$

⑤ $A_1 + B_1 + Y = 180^\circ$ (Hornasumma þríhyrnings)

$$A_1 + B_1 + Y = 180^\circ$$

$$A_1 + 152^\circ = 180^\circ \rightarrow A_1 = 180^\circ - 152^\circ = 28^\circ$$

⑥ $A = 2 \cdot A_1 = 2 \cdot 28^\circ = \underline{56^\circ}$ (Vá skiptir horni A í tvö jafnstær horn)

⑦ $C + A + B = 180^\circ$ (H.p.)

$$C + 56^\circ + 76^\circ = 180^\circ \rightarrow C + 132^\circ = 180^\circ \rightarrow C = 180^\circ - 132^\circ = \underline{48^\circ}$$

⑧ $V + C + B_1 = 180^\circ$ (H.P.)

$$V + 48^\circ + 38^\circ = 180^\circ \rightarrow V + 86^\circ = 180^\circ \rightarrow V = 180^\circ - 86^\circ = 94^\circ$$

⑨ $w + A_1 + B = 180^\circ$ (H.p.)

$$W + 28^\circ + 76^\circ = 180^\circ \rightarrow W + 104^\circ = 180^\circ \rightarrow W = 180^\circ - 104^\circ = 76^\circ$$

⑩ $u = w = 76^\circ$ (Toppforn)