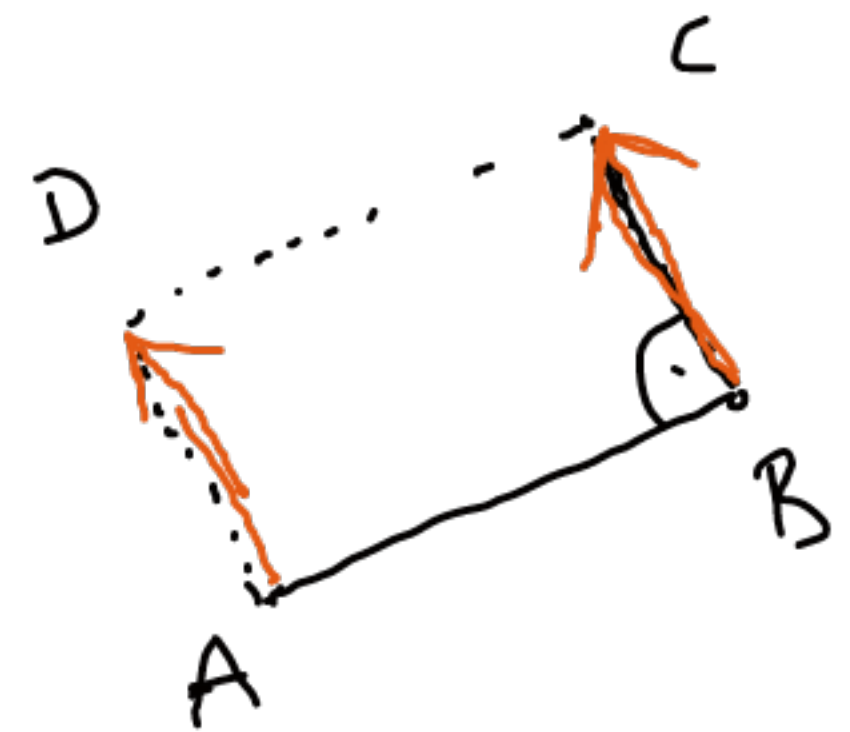


2) $A = (0, 0, 0)$ $B = (0, 1, 3)$ $C = (-1, 4, 2)$ $D = ?$

$$\vec{BC} = [-1, 3, -1]$$

$$D = (-1, 3, -1)$$



\vec{AD}, \vec{BC} są równoległe i tej samej długości

$$\vec{BA} = (0, -1, -3)$$

$$\vec{BA} \perp \vec{BC} \Leftrightarrow \vec{BA} \cdot \vec{BC} = 0$$

$$(0, -1, -3) \cdot (-1, 3, -1) = 0 - 3 + 3 = 0$$