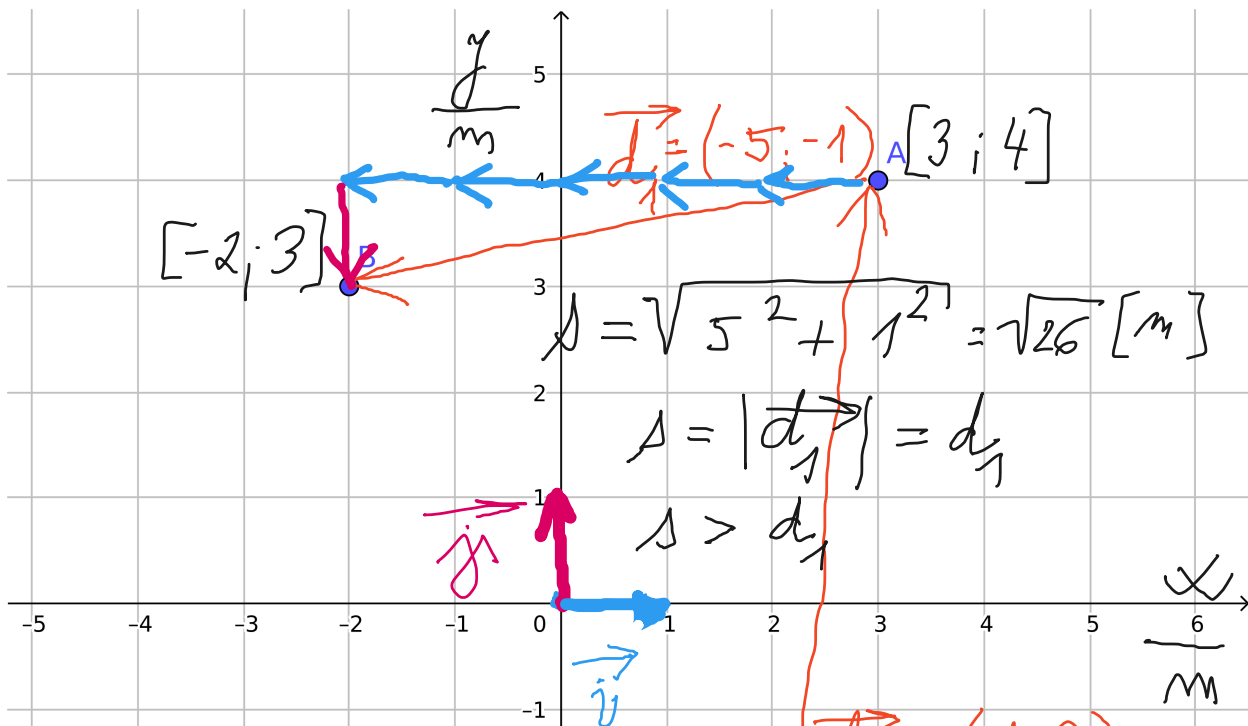


PROSTOR + ČAS → RYCHLOST → ZRYCHLENÍ

$$x_A = 3$$

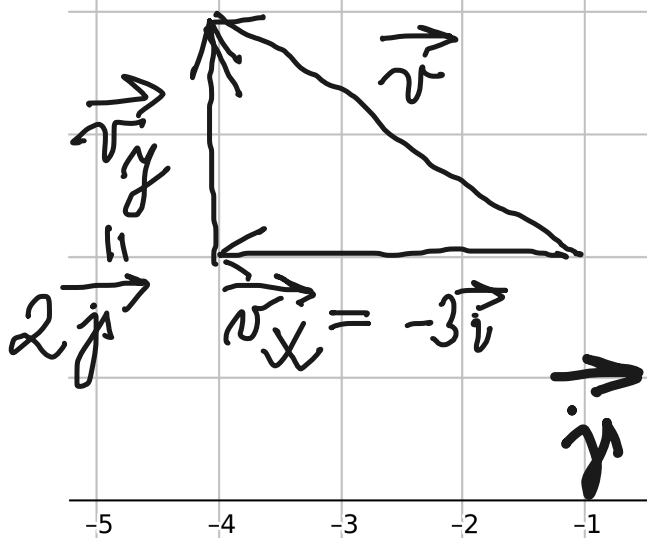
$$y_A = 4$$



$$d_1 = \underbrace{-5 \cdot i}_{d_{1x}} - \underbrace{1 \cdot j}_{d_{1y}}$$

$d_{1x} + d_{1y} \dots$ složky

$$d_2 = \underbrace{+1 \cdot i}_{d_{2x}} + \underbrace{8 \cdot j}_{d_{2y}}$$

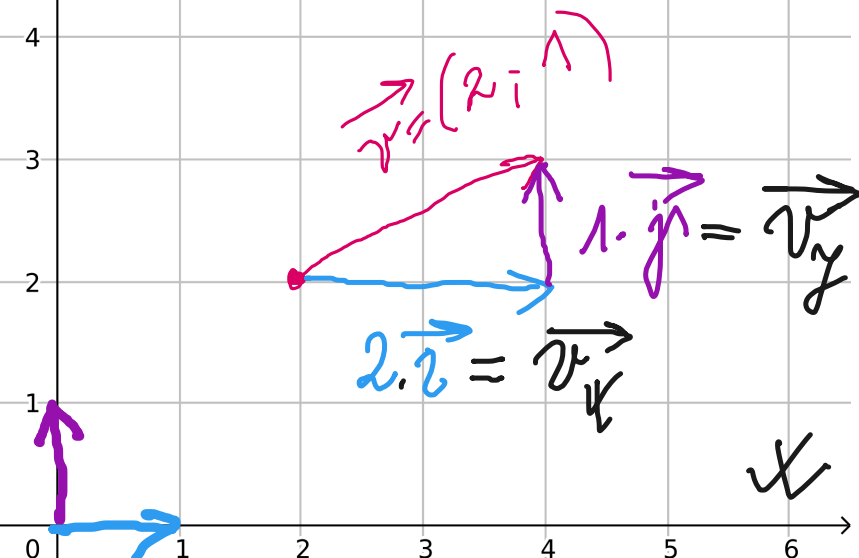


$$\vec{z} = -3\vec{i} + 2\vec{j}$$

$$\vec{z} = (-3; 2)$$

$$v_x = -3$$

$$v_y = 2$$



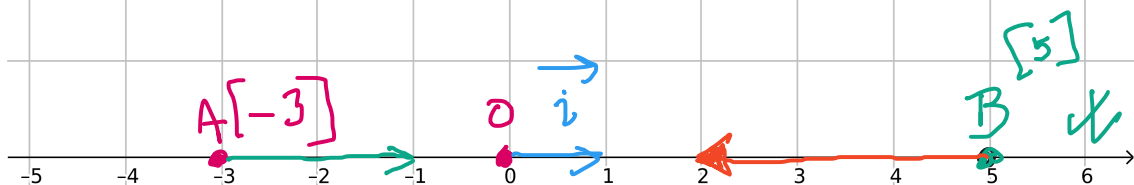
$$\vec{z} = \vec{v}_x + \vec{v}_y$$

$$2\vec{z} = 2\vec{i} + 1\vec{j}$$

$$2\vec{z} = \begin{pmatrix} 2 \\ 1 \end{pmatrix}$$

\swarrow v_x \swarrow v_y

$v \dots v_x$



$$\vec{v} = \vec{v}_x = 2 \cdot \vec{i}$$

$$\vec{v} = \vec{v}_x = -3 \vec{i}$$

$$\vec{v} = \vec{v}_x = (2)$$

$$\vec{v} = (-3)$$

$$v_x = 2 \frac{m}{\Delta}$$

$$v_x = -3 \frac{m}{\Delta}$$

$$|\vec{v}| = v =$$

$$|\vec{v}| = v = 2 \frac{m}{\Delta}$$

Souřadnice $\begin{pmatrix} + \\ - \\ 0 \end{pmatrix}$

$$= 3 \frac{m}{\Delta}$$