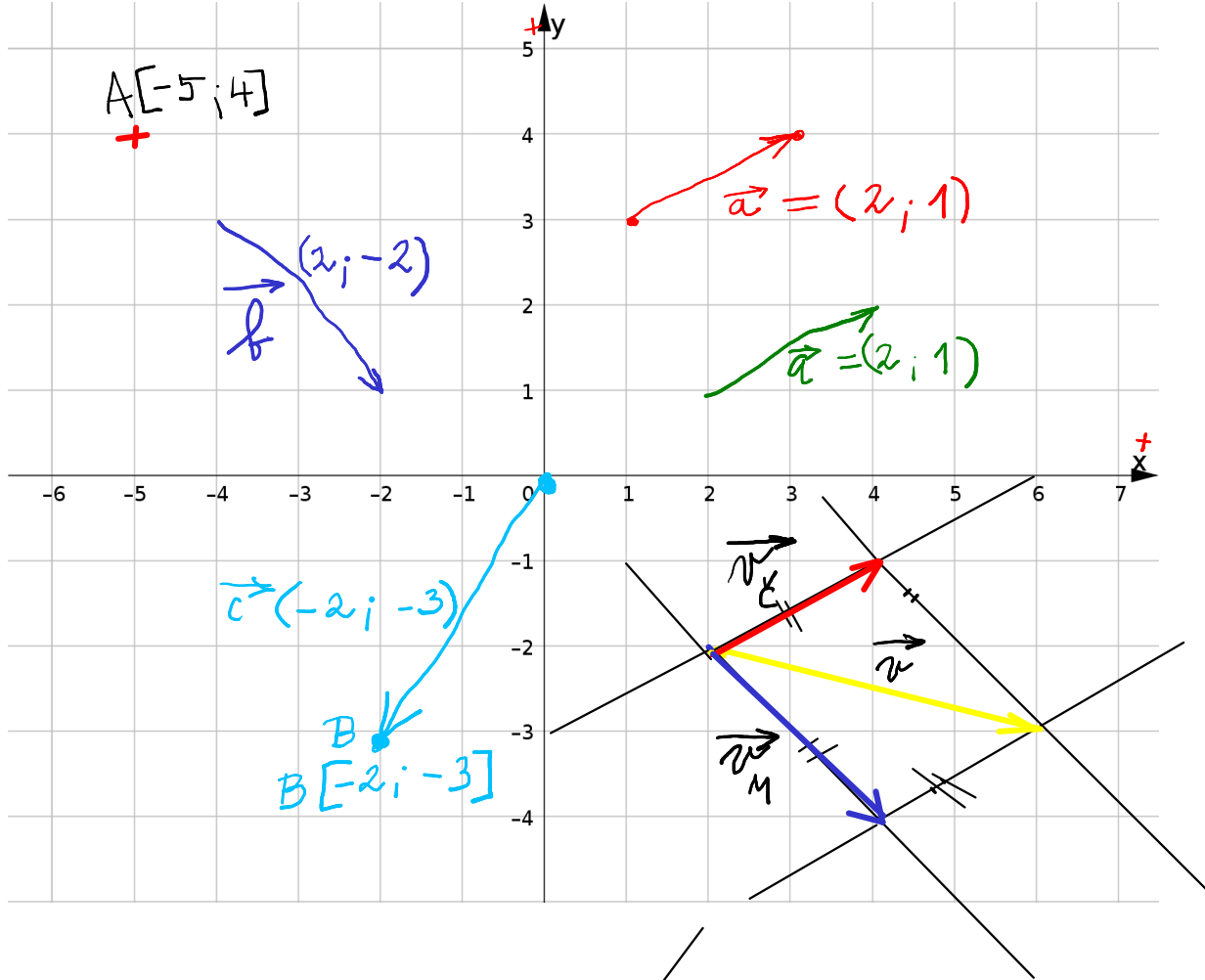


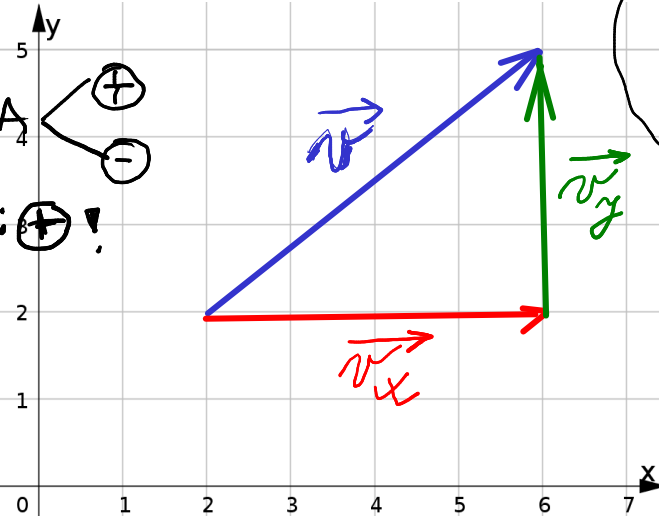
Body, vektory, souřadnice, složky



• složky - VEKTORY

• souřadnice v. ČÍSLA $\begin{cases} \oplus \\ \ominus \end{cases}$

• velikost v. ; ČÍSLA: \oplus !

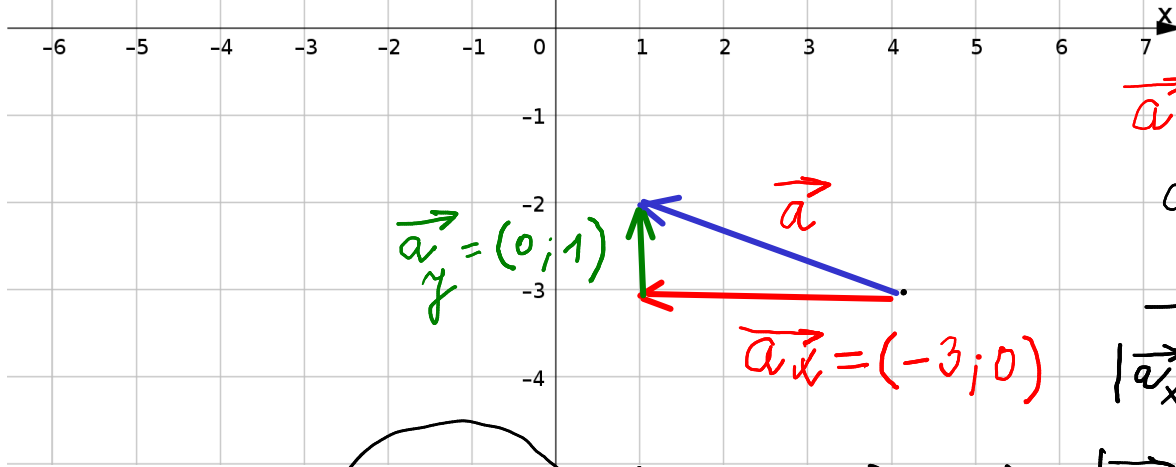


$$\vec{v} = (4; 3)$$

$$|\vec{v}| = v = 5 \frac{m}{s}$$

$$\begin{matrix} \downarrow & \downarrow \\ v_1 & v_2 \end{matrix}$$

$$|\vec{v}_x| = v_x = 4$$



$$\vec{a} = (-3; 1)$$

$$a_1 = -3$$

$$a_2 = 1$$

$$\vec{a}_x = (-3; 0)$$

$$|\vec{a}_x| = 3 = a_x$$

$$|\vec{a}_y| = 1 = a_y$$

$$\vec{a}_x + \vec{a}_y = (0; 1) + (-3; 0) = (-3; 1) = \vec{a}$$