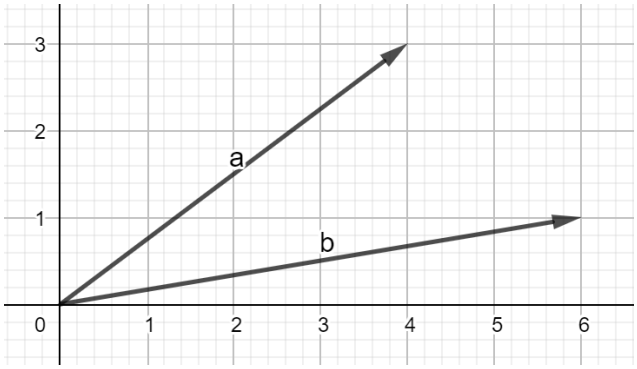
	Navn:		Skole:	
	Klasse: 20		Dato: 28. august 2021	Fag: Matematik A

Opgave 433

$$\vec{a} = \begin{pmatrix} 4 \\ 3 \end{pmatrix}$$
$$\vec{b} = \begin{pmatrix} 6 \\ 1 \end{pmatrix}$$



$$\vec{c} = (\vec{a} + \vec{b}) \cdot (-1)$$
$$\vec{c} = \left(\begin{pmatrix} 4 \\ 3 \end{pmatrix} + \begin{pmatrix} 6 \\ 1 \end{pmatrix}\right) \cdot (-1)$$
$$\vec{c} = \left(\begin{pmatrix} 4+6 \\ 3+1 \end{pmatrix}\right) \cdot (-1)$$
$$\vec{c} = \begin{pmatrix} 10 \\ 4 \end{pmatrix} \cdot (-1)$$
$$\vec{c} = \begin{pmatrix} 10 \cdot (-1) \\ 4 \cdot (-1) \end{pmatrix}$$
$$\vec{c} = \begin{pmatrix} -10 \\ -4 \end{pmatrix}$$

$$|\vec{c}| = \sqrt{(-10)^2 + (-4)^2}$$
$$|\vec{c}| = \sqrt{100 + 16}$$
$$|\vec{c}| = \sqrt{116}$$
$$|\vec{c}| = 10.77$$