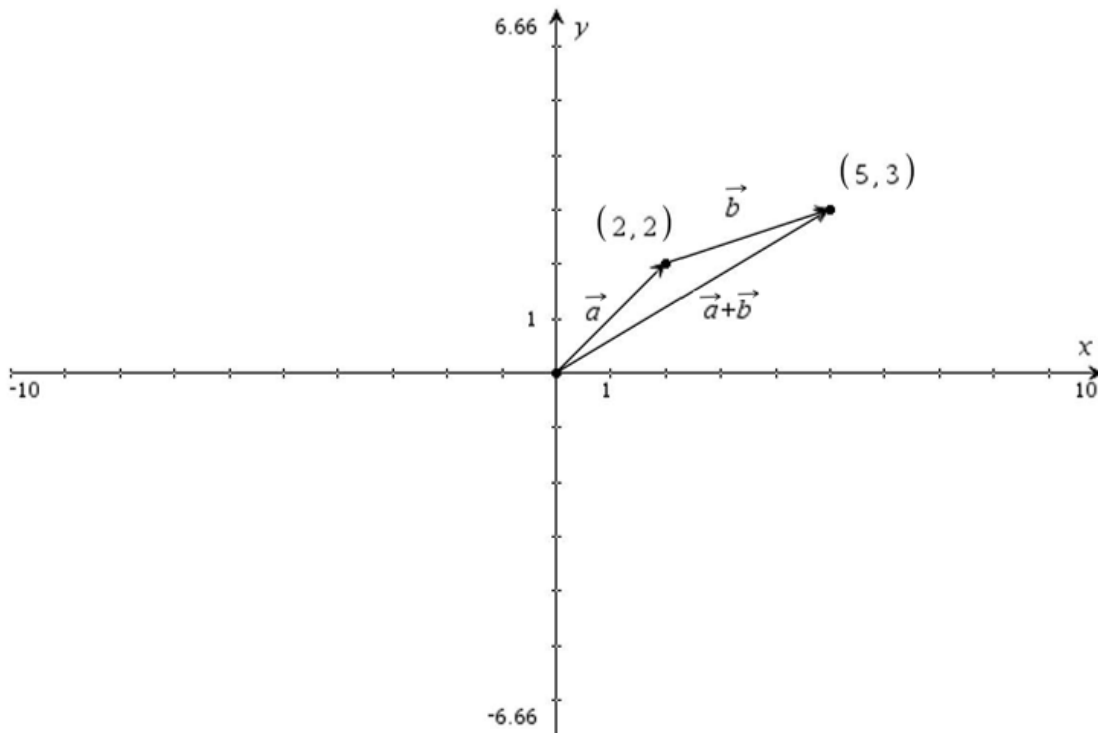


Facit til Kerne stof Mat 1 – side 103

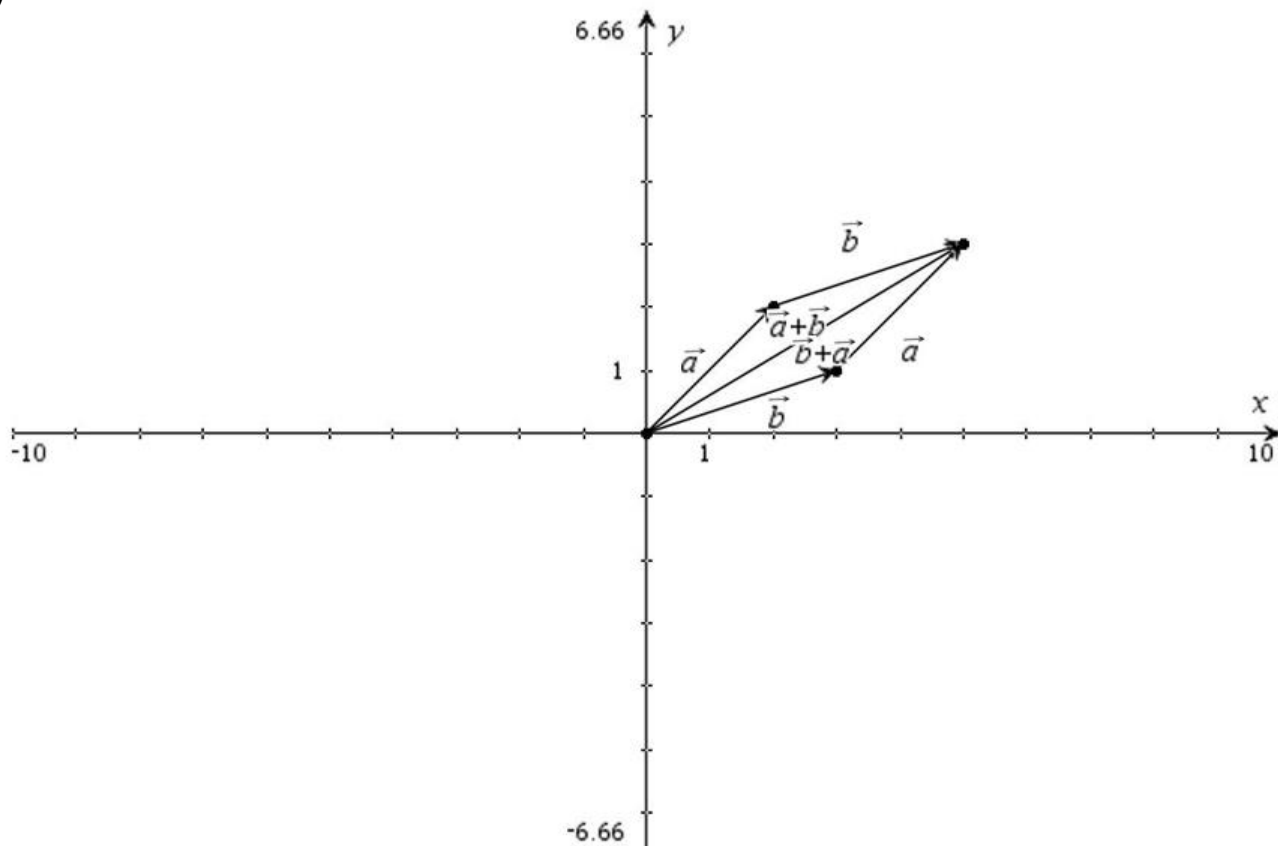
Opgave 509

a) $\vec{a} + \vec{b} = \begin{pmatrix} 5 \\ 3 \end{pmatrix}$

b)



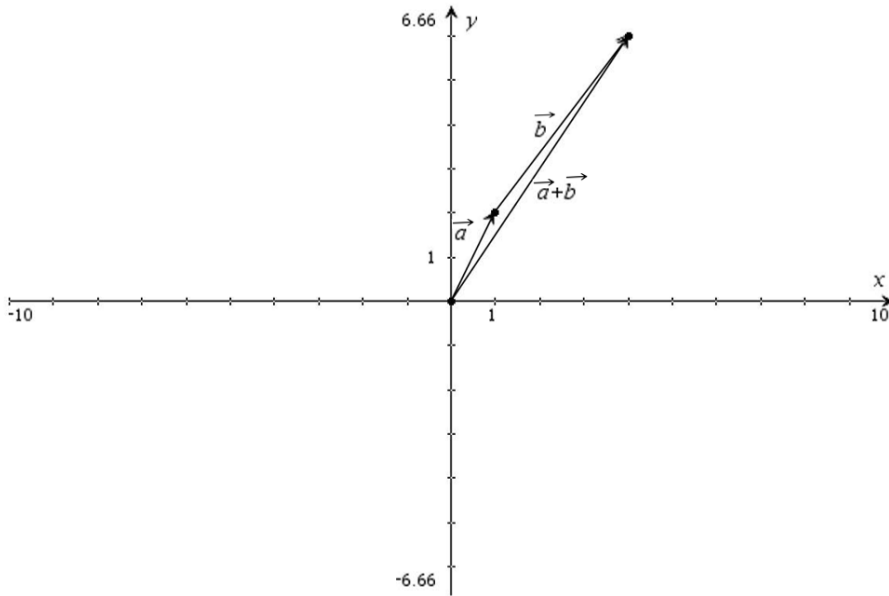
c)



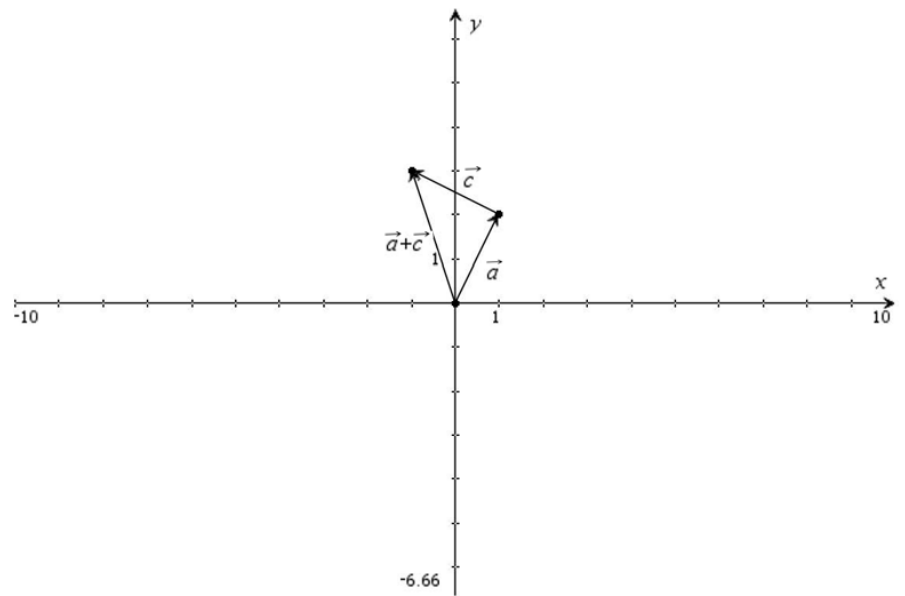
Opgave 510

a) $\vec{a} + \vec{b} = \begin{pmatrix} 4 \\ 6 \end{pmatrix}$, $\vec{a} + \vec{c} = \begin{pmatrix} -1 \\ 3 \end{pmatrix}$ og $\vec{b} + \vec{c} = \begin{pmatrix} 1 \\ 5 \end{pmatrix}$

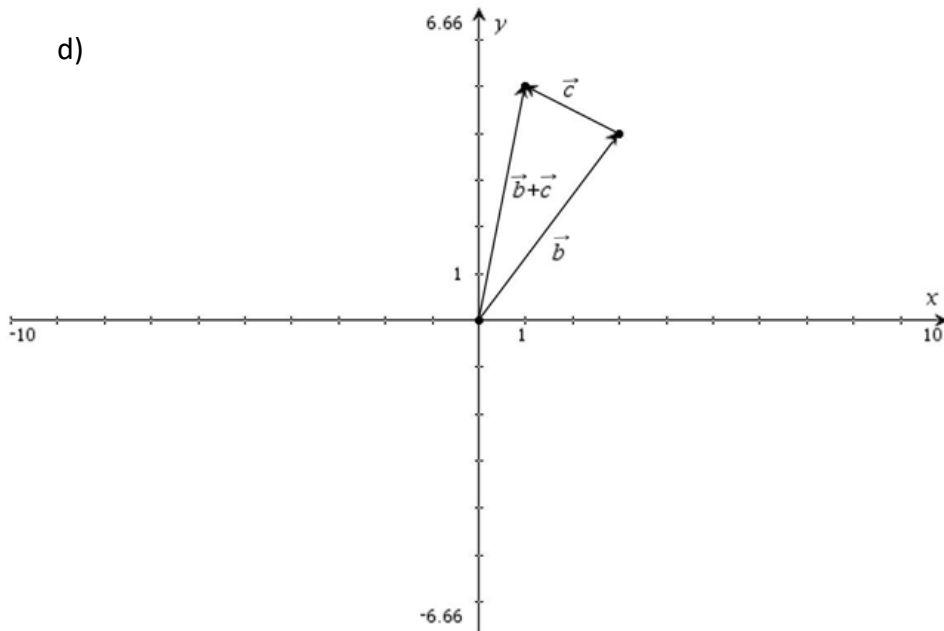
b)



c)

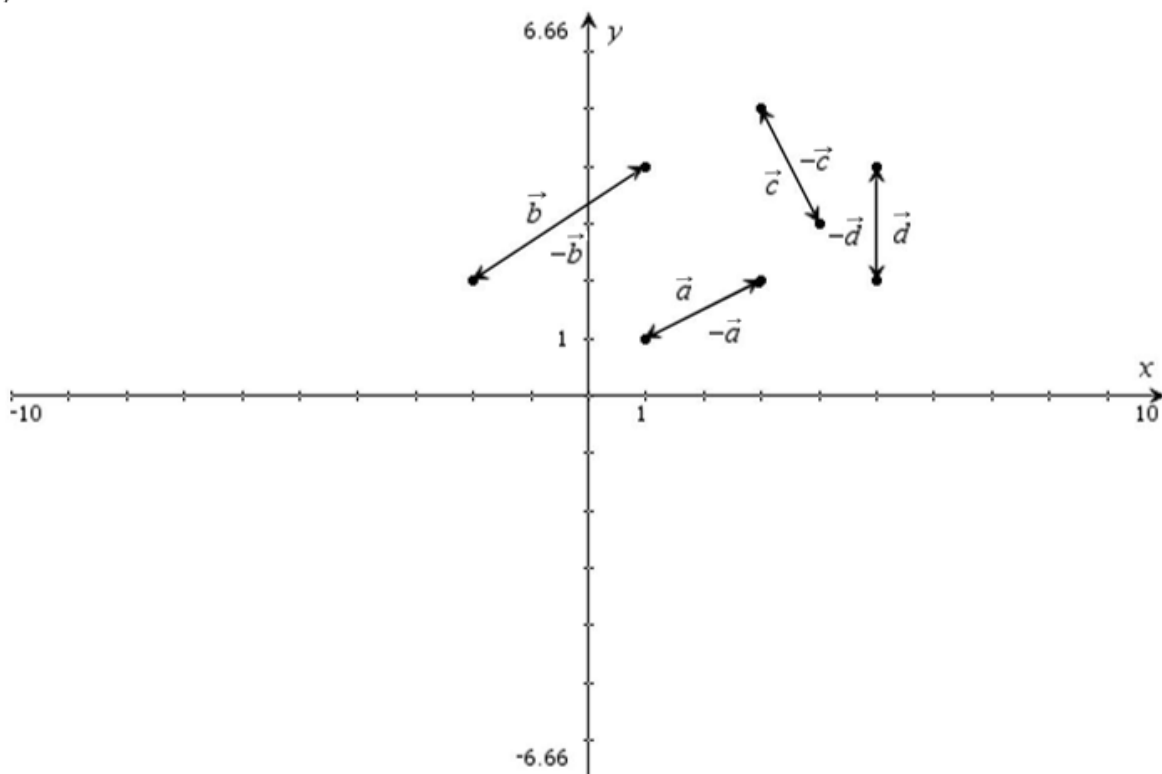


d)



Opgave 511

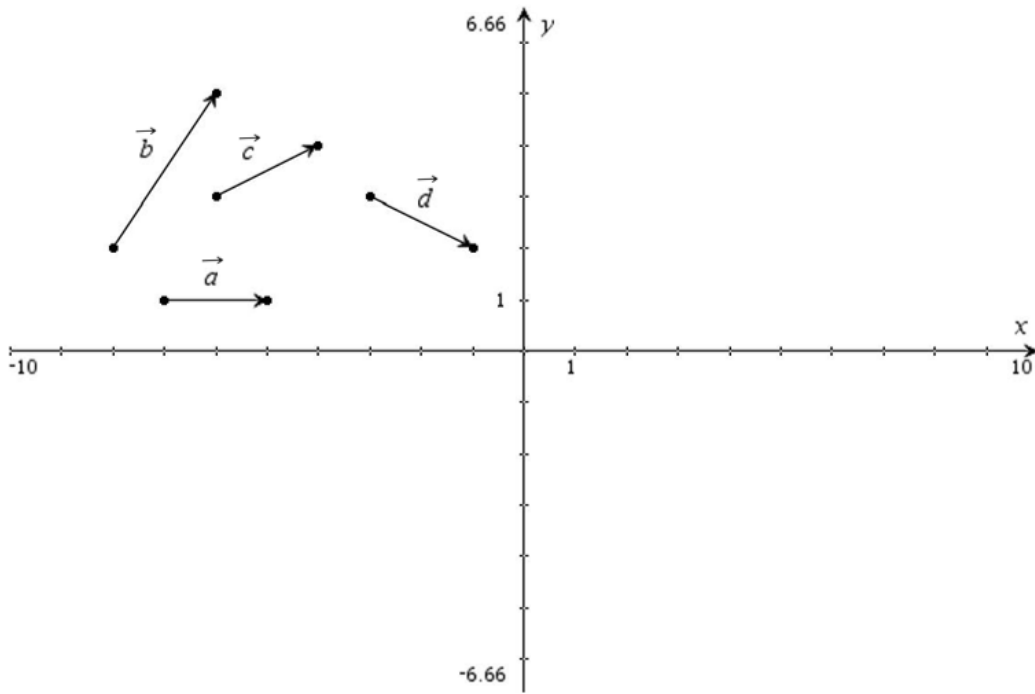
a)



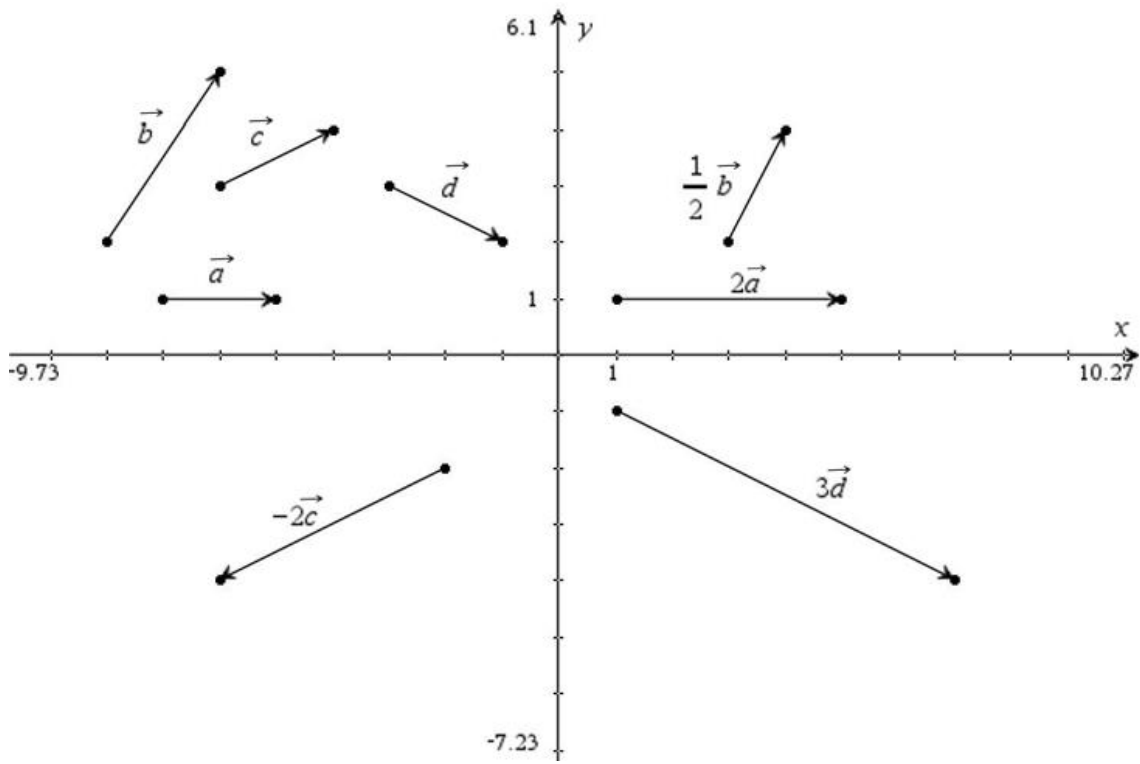
b) $\vec{a} = \begin{pmatrix} 2 \\ 1 \end{pmatrix}$ og $-\vec{a} = \begin{pmatrix} -2 \\ -1 \end{pmatrix}$, $\vec{b} = \begin{pmatrix} -3 \\ -2 \end{pmatrix}$ og $-\vec{b} = \begin{pmatrix} 3 \\ 2 \end{pmatrix}$, $\vec{c} = \begin{pmatrix} -1 \\ 2 \end{pmatrix}$ og $-\vec{c} = \begin{pmatrix} 1 \\ -2 \end{pmatrix}$,
 $\vec{d} = \begin{pmatrix} 0 \\ -2 \end{pmatrix}$ og $-\vec{d} = \begin{pmatrix} 0 \\ 2 \end{pmatrix}$

Opgave 512

a)



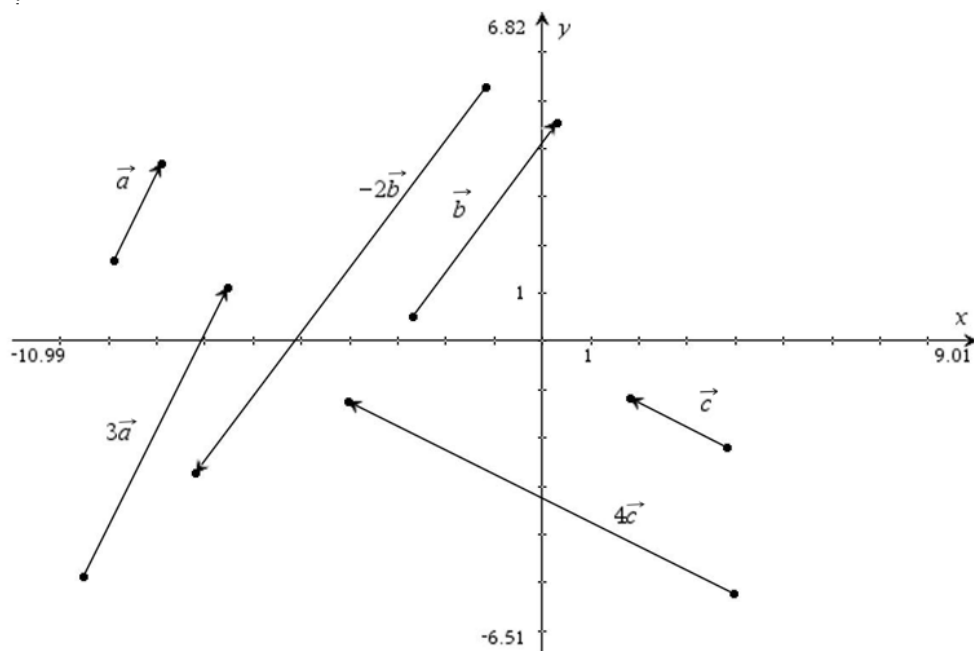
b)



Opgave 513

a) $3\vec{a} = \begin{pmatrix} 3 \\ 6 \end{pmatrix}$, $-2\vec{b} = \begin{pmatrix} -6 \\ -8 \end{pmatrix}$ og $4\vec{c} = \begin{pmatrix} -8 \\ 4 \end{pmatrix}$

b)



Opgave 514

a) $\overrightarrow{AB} = \begin{pmatrix} 3 \\ 2 \end{pmatrix}$

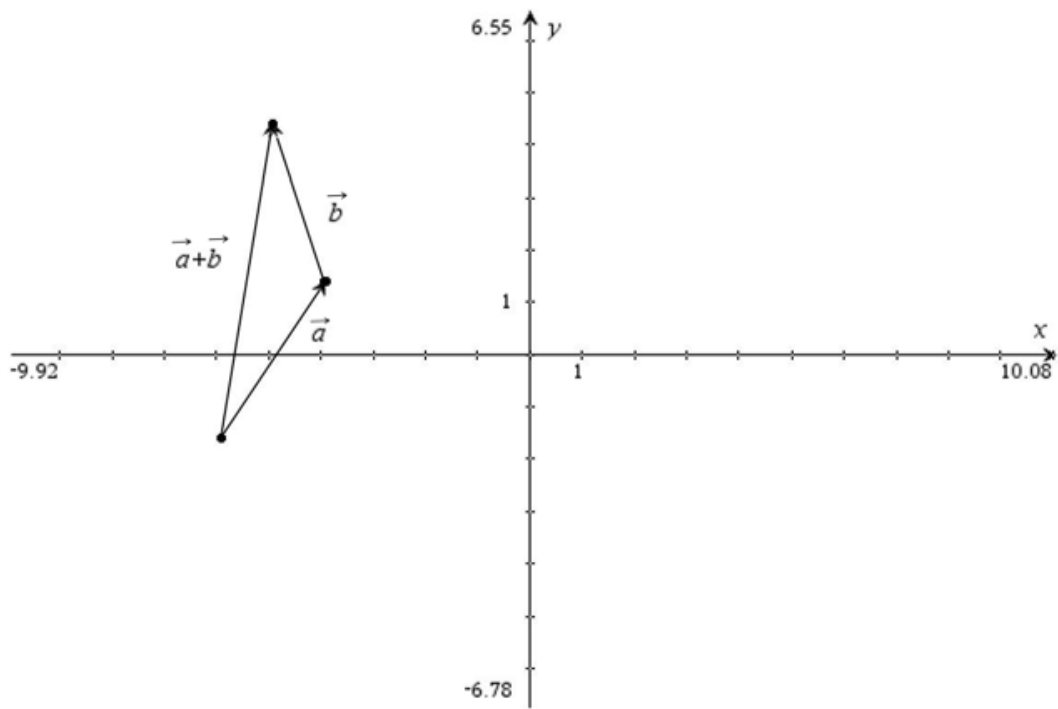
b) $\overrightarrow{BA} = \begin{pmatrix} -3 \\ -2 \end{pmatrix}$

c) $-\overrightarrow{BA} = \begin{pmatrix} 3 \\ 2 \end{pmatrix}$

Opgave 515

a) $\vec{a} + \vec{b} = \begin{pmatrix} 1 \\ 6 \end{pmatrix}$ og $2\vec{a} + 3\vec{b} = \begin{pmatrix} 1 \\ 15 \end{pmatrix}$

b)



c)

