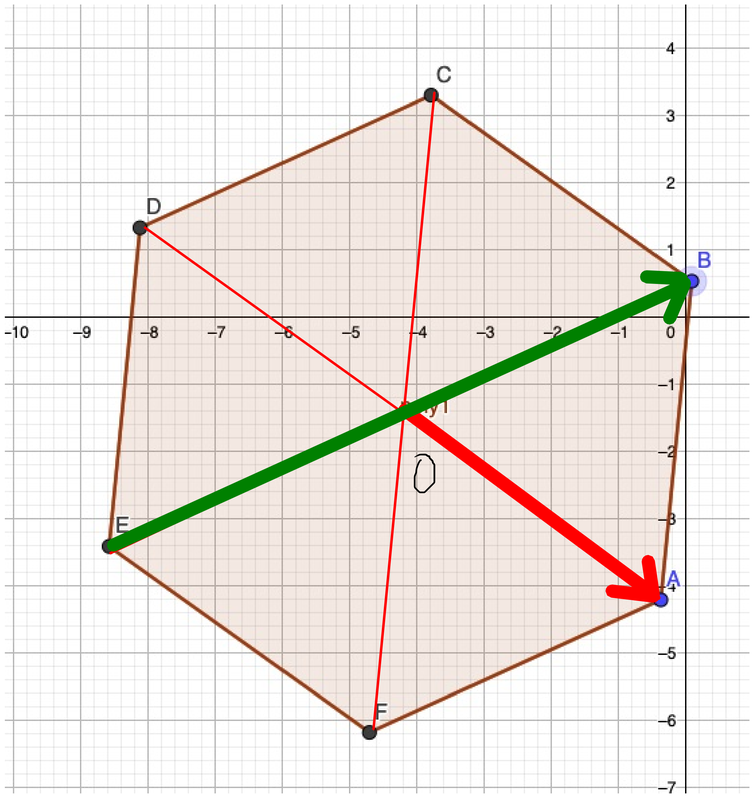
1.1.1

30.08.21



$\vec{OA} = \vec{DO} = \vec{CB} = \vec{EF}$

$\vec{CB}$

extrémité

origine

$\vec{AO} = \vec{OD} = \vec{BC} = \vec{FE}$

$\vec{FO} =$

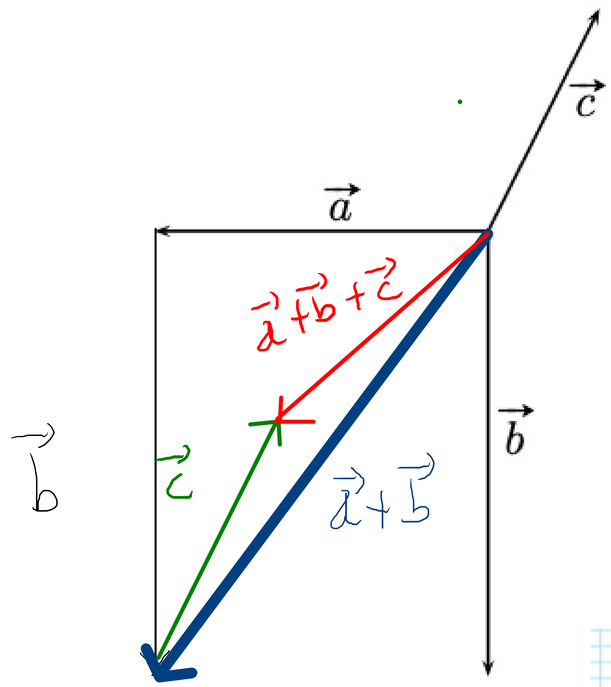
$\vec{AC} =$

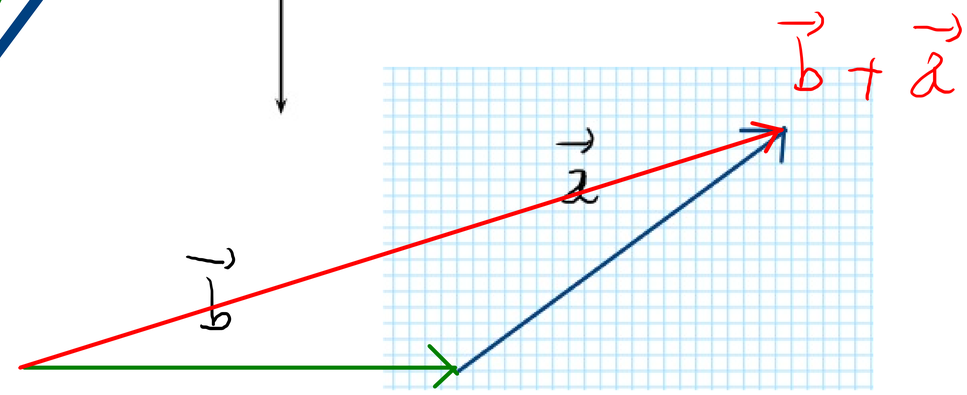
$\vec{EB} = 2 \cdot \vec{EO}$

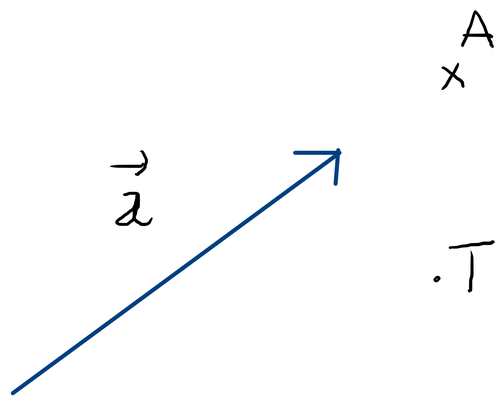
$$\left(\vec{a}+\vec{b}\right)+\vec{c}=$$

1.1.2

Construire la somme des trois vecteurs ci-dessous :







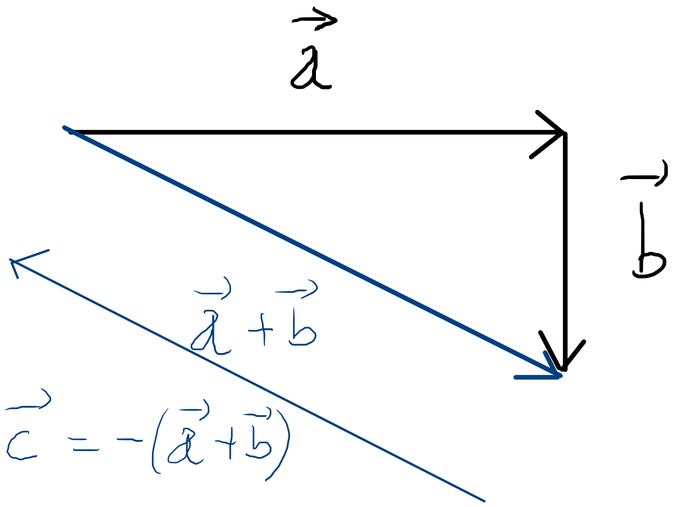
$$\vec{a}+\vec{b}=\vec{b}+\vec{a}$$ commutatif

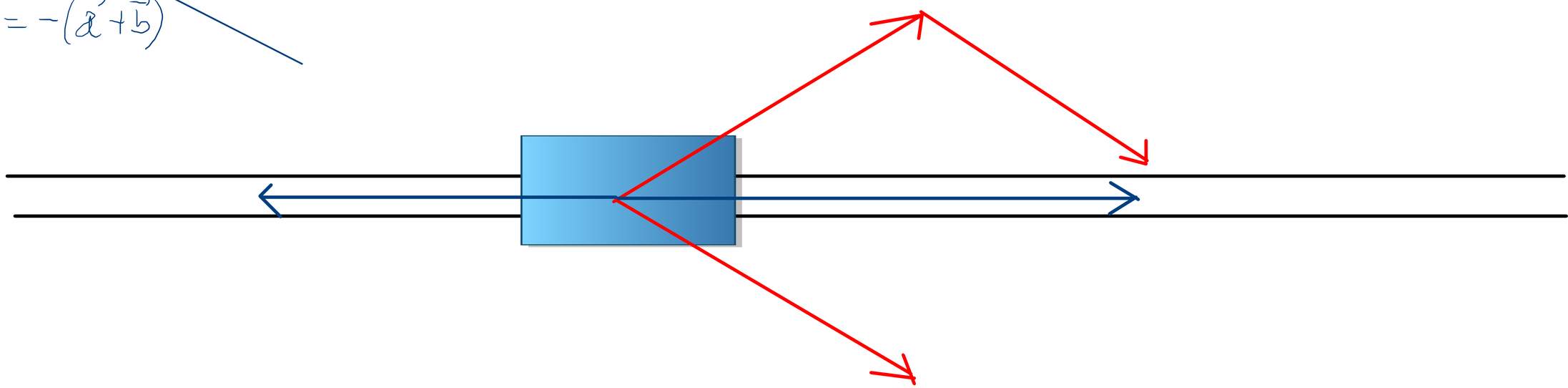
$$(\vec{a}+\vec{b})+\vec{c}=\vec{a}+(\vec{b}+\vec{c})$$ associatif

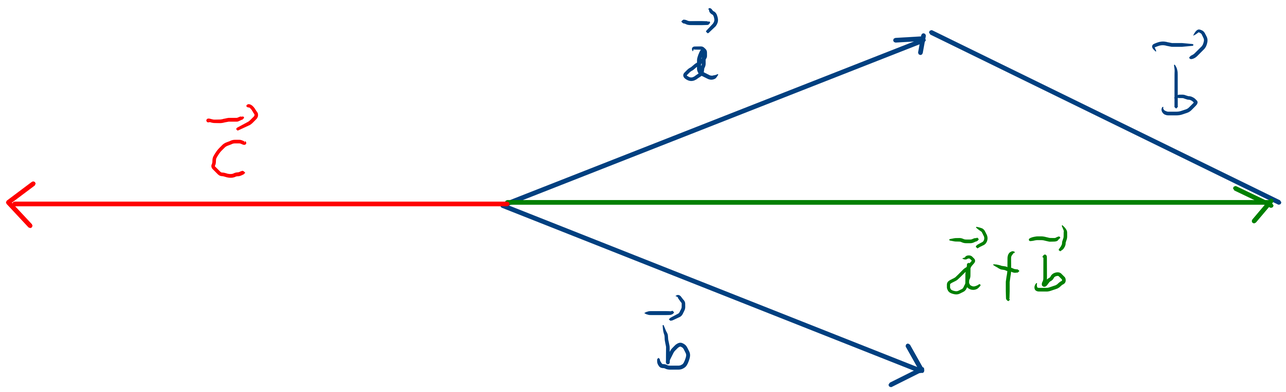
$$\vec{a}+\vec{0}=\vec{a}$$

$$\vec{0}=\overrightarrow{AA}=\overrightarrow{TT}$$ élément neutre

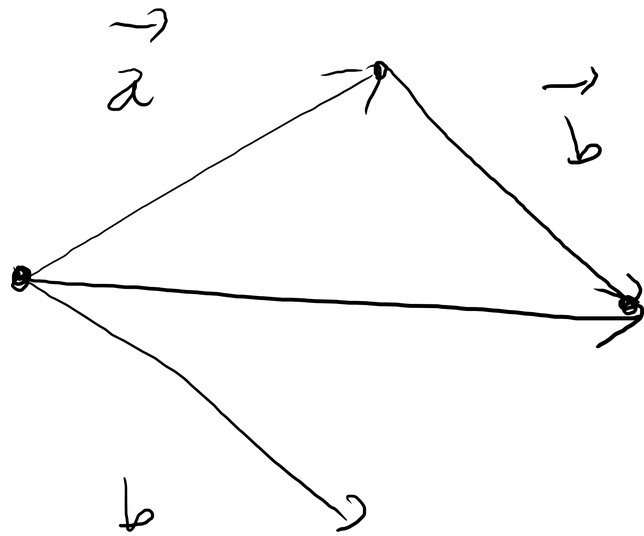
Tracer trois vecteurs non nuls et n'ayant pas la même direction mais dont la somme soit le vecteur nul.





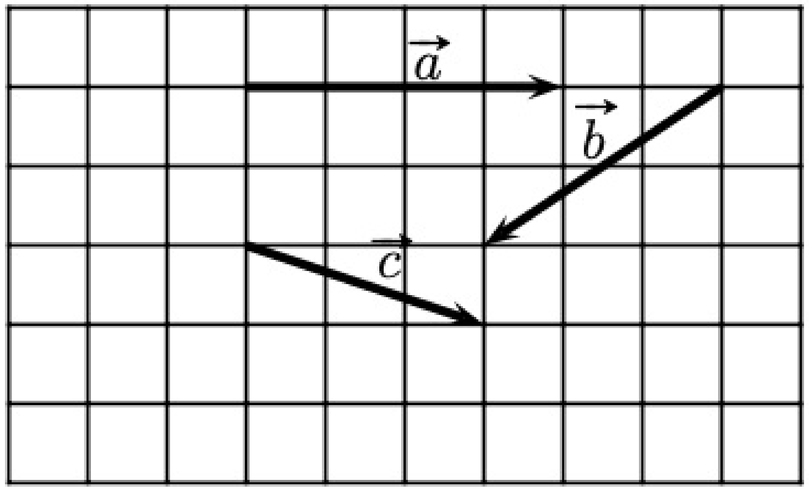


$$\vec{a}+\vec{b}+\vec{c}=\vec{0}$$

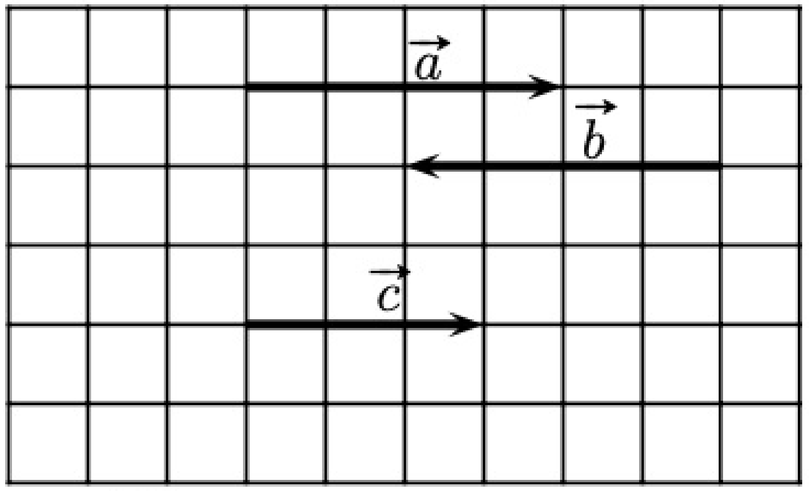


1.1.3 Dans chaque cas, construire le vecteur demandé.

Cas 1



Cas 2



Le vecteur $\vec{a} + \vec{c} + \vec{b}$