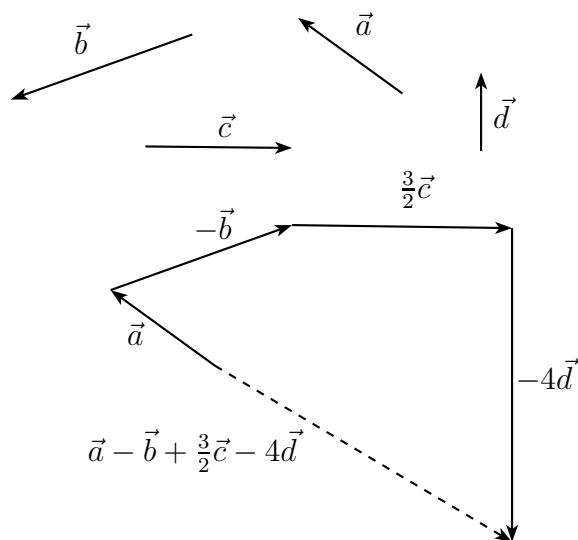


# Géométrie vectorielle I

## Exercice 1



## Exercice 2

Réponses :

$$\text{a) } \vec{a} = \vec{AB} + \vec{BC} + \vec{CA} = \vec{CA} + \vec{AB} + \vec{BC} = \vec{CC} = \vec{0}$$

$$\text{b) } \vec{b} = \vec{AD} + \vec{CA} + \vec{CB} + \vec{BD} = \vec{CA} + \vec{AD} + \vec{CB} + \vec{BD} = \vec{CD} + \vec{CD} = 2 \cdot \vec{CD}$$

## Exercice 3

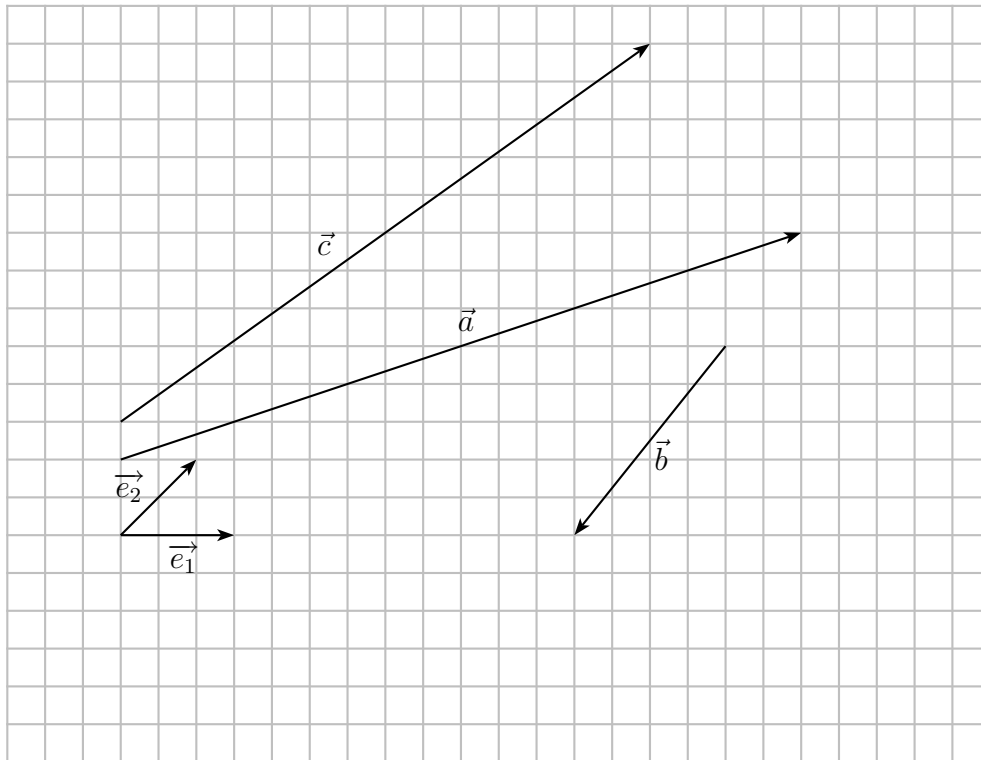
Réponses :

$$\vec{AC} = \vec{e}_1 + \vec{e}_2$$

$$\vec{CB} = -\vec{e}_2$$

$$\vec{DB} = \vec{e}_1 - \vec{e}_2$$

## Exercice 4



a) voir ci-dessus

b)  $\vec{c} = \frac{4}{3}\vec{e}_1 + 5\vec{e}_2$

c)  $\vec{b} = \vec{x} + 5\vec{y}$