Correction : constructions de vecteurs

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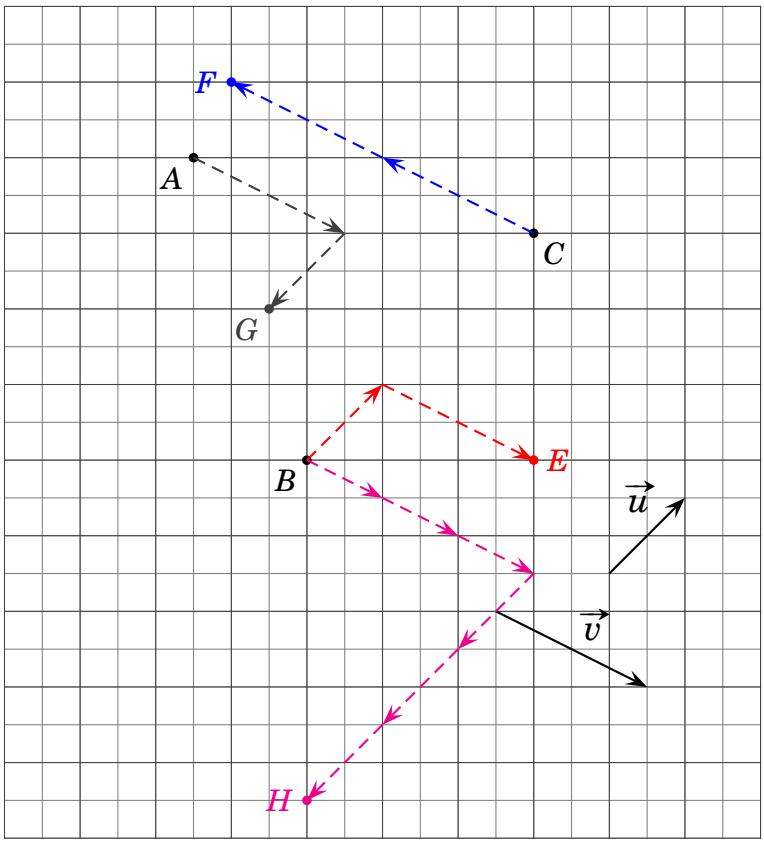
Exercice 1 (A partir de 2 vecteurs $\vec{u}$ et $\vec{v}$)



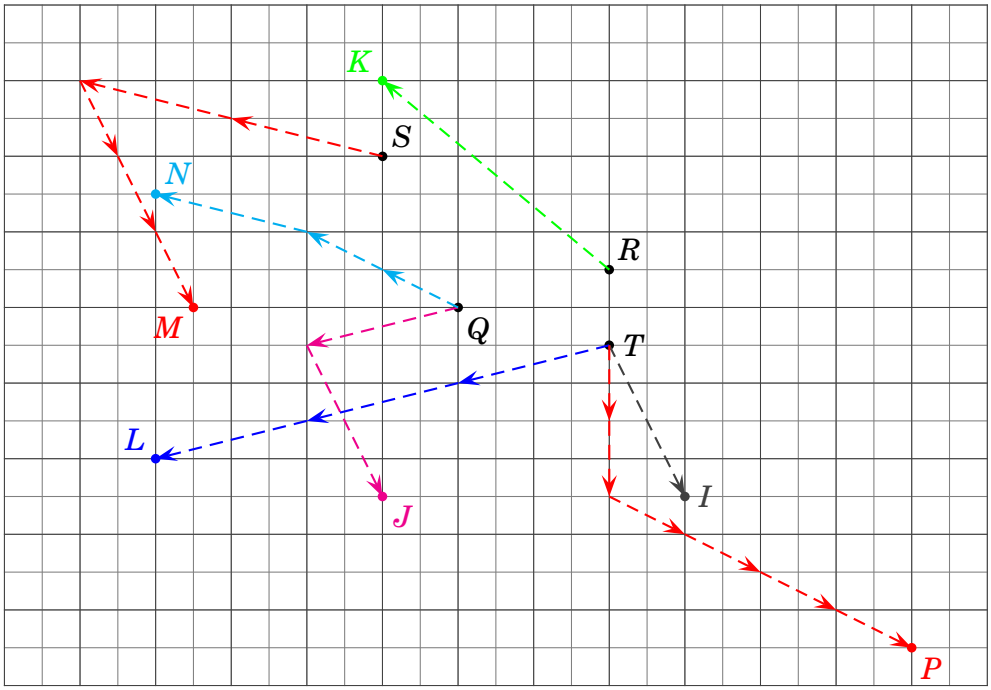
a) $\overrightarrow{BE} = \vec{u} + \vec{v}$;

b) $\overrightarrow{CF} = -2\vec{v}$;

c) $\overrightarrow{AG} = \vec{v} - \vec{u}$;

d) $\overrightarrow{BH} = \frac{3}{2}\vec{v} - 3\vec{u}$.

Exercice 2 (A partir de 4 points Q, R, S et T)



a) $\overrightarrow{TI} = \overrightarrow{RQ} + \overrightarrow{SR} = \overrightarrow{SR} + \overrightarrow{RQ} = \overrightarrow{SQ}$;

b) $\overrightarrow{QJ} = \overrightarrow{RQ} + \overrightarrow{SQ}$;

c) $\overrightarrow{RK} = \overrightarrow{TQ} - \overrightarrow{SQ} = \overrightarrow{TQ} + \overrightarrow{QS} = \overrightarrow{TS}$;

d) $\overrightarrow{TL} = -3\overrightarrow{QR} = 3\overrightarrow{RQ}$;

e) $\overrightarrow{SM} = 2\overrightarrow{TQ} - \frac{3}{2}\overrightarrow{QS} = 2\overrightarrow{TQ} + \frac{3}{2}\overrightarrow{SQ}$;

f) $\overrightarrow{QN} = \frac{2}{3}\overrightarrow{RS} - \overrightarrow{QT} = \frac{2}{3}\overrightarrow{RS} + \overrightarrow{TQ}$;

g) $\overrightarrow{TP} = 2\overrightarrow{RT} + \frac{4}{3}\overrightarrow{SR}$.