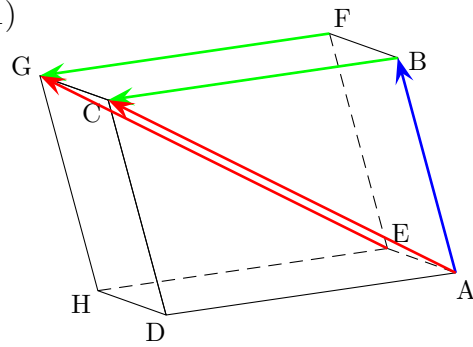


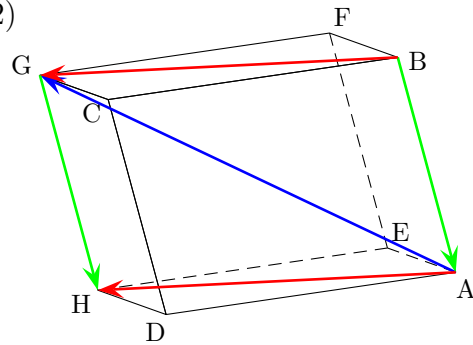
8.5

1)



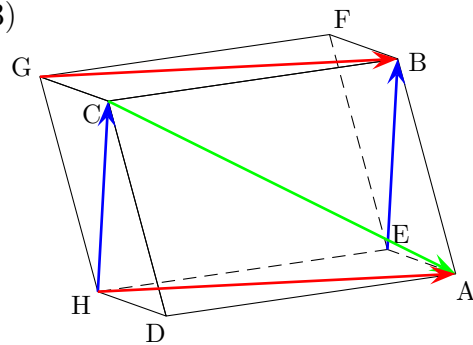
$$\begin{aligned}\vec{a} &= \overrightarrow{AB} + \overrightarrow{FG} \\ &= \overrightarrow{AB} + \overrightarrow{BC} \\ &= \overrightarrow{AC} \\ &= \overrightarrow{EG}\end{aligned}$$

2)



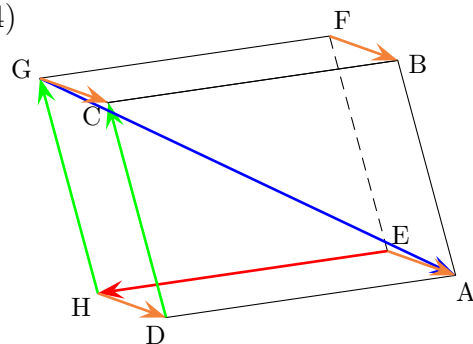
$$\begin{aligned}\vec{b} &= \overrightarrow{AG} + \overrightarrow{BA} \\ &= \overrightarrow{AG} + \overrightarrow{GH} \\ &= \overrightarrow{AH} \\ &= \overrightarrow{BG}\end{aligned}$$

3)



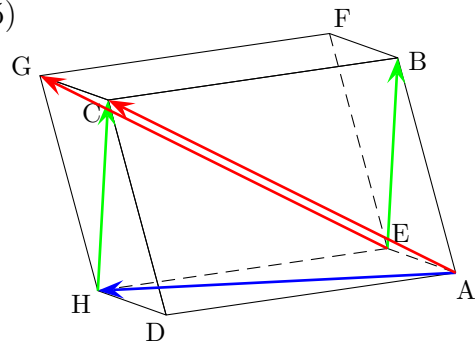
$$\begin{aligned}\vec{c} &= \overrightarrow{EB} + \overrightarrow{CA} \\ &= \overrightarrow{HC} + \overrightarrow{CA} \\ &= \overrightarrow{HA} \\ &= \overrightarrow{GB}\end{aligned}$$

4)



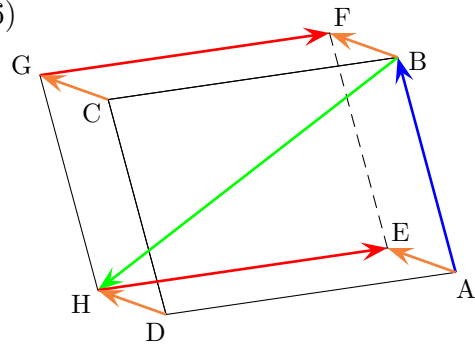
$$\begin{aligned}\vec{d} &= \overrightarrow{EH} + \overrightarrow{DC} + \overrightarrow{GA} \\ &= \overrightarrow{EH} + \overrightarrow{HG} + \overrightarrow{GA} \\ &= \overrightarrow{EA} \\ &= \overrightarrow{FB} = \overrightarrow{GC} = \overrightarrow{HD}\end{aligned}$$

5)



$$\begin{aligned}\vec{e} &= \vec{AH} + \vec{EB} \\ &= \vec{AH} + \vec{HC} \\ &= \vec{AC} \\ &= \vec{EG}\end{aligned}$$

6)



$$\begin{aligned}\vec{f} &= \vec{AB} + \vec{CG} + \vec{BH} + \vec{GF} \\ &= \vec{AB} + \vec{0} + \vec{BH} + \vec{HE} \\ &= \vec{AE} \\ &= \vec{BF} = \vec{CG} = \vec{DH}\end{aligned}$$