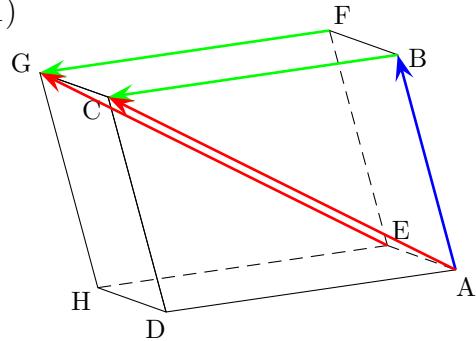


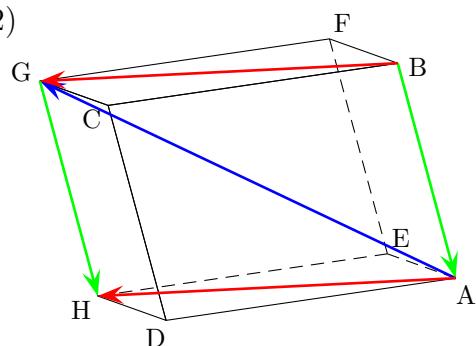
6.5

1)



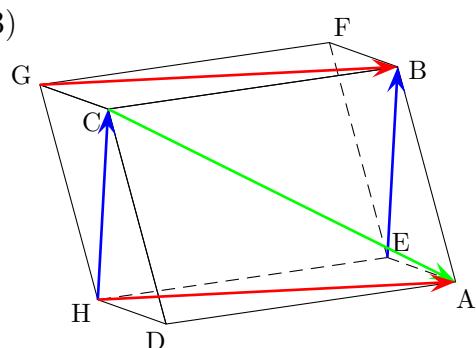
$$\begin{aligned}\vec{a} &= \overrightarrow{AB} + \overrightarrow{FG} \\ &= \overrightarrow{AB} + \overrightarrow{BC} \\ &= \overrightarrow{AC} \\ &= \overrightarrow{EG}\end{aligned}$$

2)



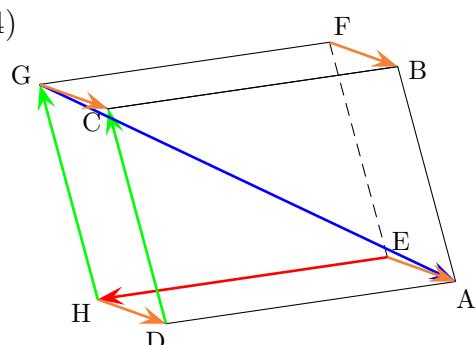
$$\begin{aligned}\vec{b} &= \overrightarrow{AG} + \overrightarrow{BA} \\ &= \overrightarrow{AG} + \overrightarrow{GH} \\ &= \overrightarrow{AH} \\ &= \overrightarrow{BG}\end{aligned}$$

3)



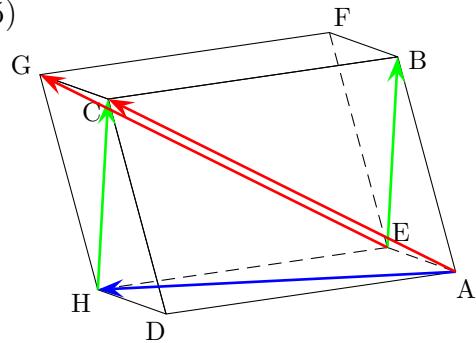
$$\begin{aligned}\vec{c} &= \overrightarrow{EB} + \overrightarrow{CA} \\ &= \overrightarrow{HC} + \overrightarrow{CA} \\ &= \overrightarrow{HA} \\ &= \overrightarrow{GB}\end{aligned}$$

4)



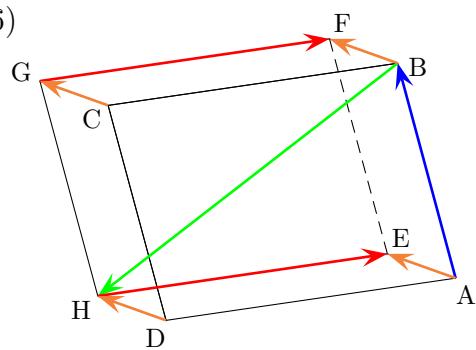
$$\begin{aligned}\vec{d} &= \overrightarrow{EH} + \overrightarrow{DC} + \overrightarrow{GA} \\ &= \overrightarrow{EH} + \overrightarrow{HG} + \overrightarrow{GA} \\ &= \overrightarrow{EA} \\ &= \overrightarrow{FB} = \overrightarrow{GC} = \overrightarrow{HD}\end{aligned}$$

5)



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

6)



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