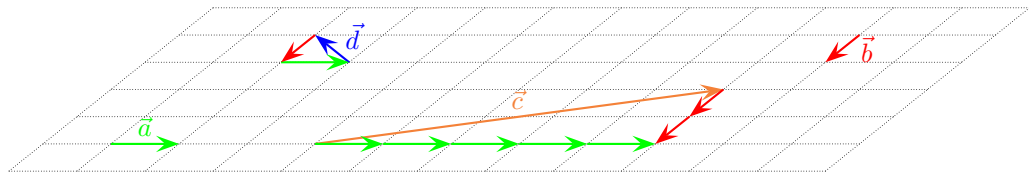
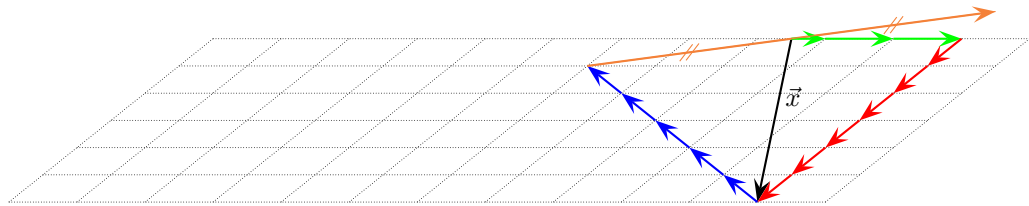


8.13



$$\vec{c} = 5\vec{a} - 2\vec{b} \quad \vec{d} = -\vec{a} - \vec{b}$$



$$\begin{aligned} \vec{x} &= -\frac{1}{2}\vec{c} - 5\vec{d} \\ &= -\frac{1}{2}(5\vec{a} - 2\vec{b}) - 5(-\vec{a} - \vec{b}) \\ &= -\frac{5}{2}\vec{a} + \vec{b} + 5\vec{a} + 5\vec{b} \\ &= \frac{5}{2}\vec{a} + 6\vec{b} \end{aligned}$$