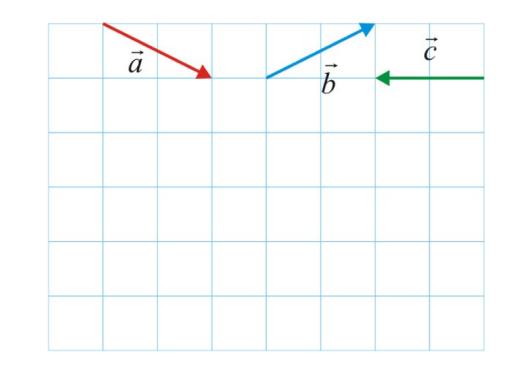
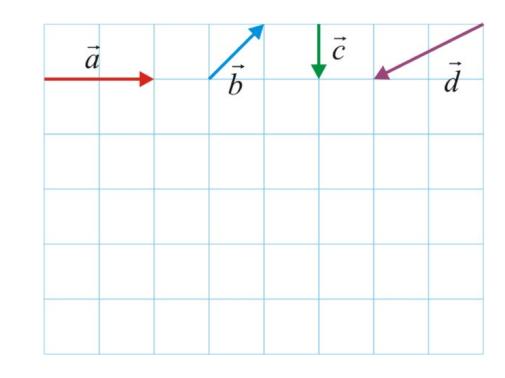


Ex 3. Use the parallelogram rule to compute the required operations:



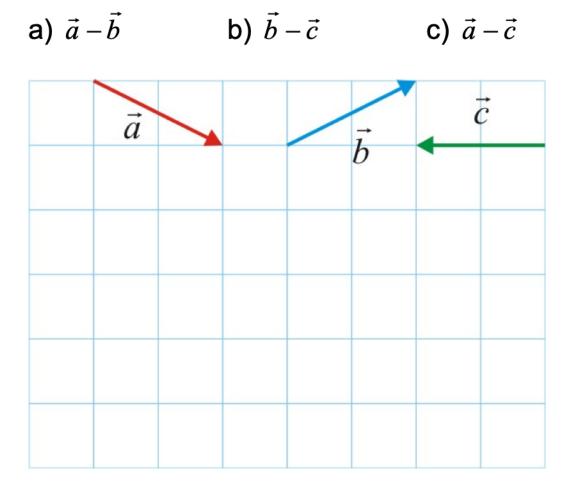
a) $\vec{a} + \vec{b}$ b) $\vec{b} + \vec{c}$ c) $\vec{a} + \vec{c}$

Ex 2. Use the following diagram and the triangle rule compute the required operations.



a) $\vec{a} + \vec{b} + \vec{c}$ b) $\vec{b} + \vec{c} + \vec{d}$ c) $\vec{a} + \vec{b} + \vec{c} + \vec{d}$

Ex 7. Compute the required operations.



Consider following vectors:

$$\boldsymbol{a} = \begin{pmatrix} -3 \\ -5 \end{pmatrix} \quad \boldsymbol{b} = \begin{pmatrix} 3 \\ 7 \end{pmatrix} \quad \boldsymbol{c} = \begin{pmatrix} 7 \\ -1 \end{pmatrix} \quad \boldsymbol{d} = \begin{pmatrix} 4 \\ -4 \end{pmatrix}$$

Please work out each of the equations below and graph each operation:

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