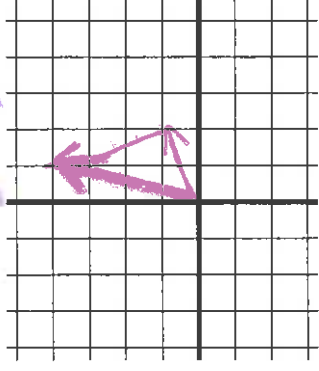


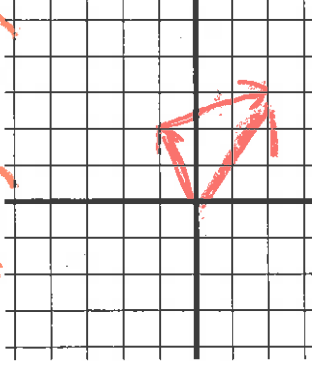
$$\vec{a} = \begin{pmatrix} 4 \\ 1 \end{pmatrix} \quad \vec{b} = \begin{pmatrix} -2 \\ 3 \end{pmatrix}$$

$$\vec{c} = \begin{pmatrix} -6 \\ -5 \end{pmatrix} = -2\vec{a} - \vec{b}$$

$$(2, 1) + (-1, 3) = (1, 4)$$



$$(2, 1) - (-1, 3) = (3, -2)$$



Parallelogram rule:

