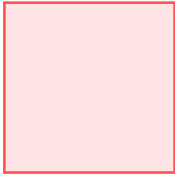


1.



$$11 \mathbf{i} + 7 \mathbf{j} + 12 \mathbf{i} - 2 \mathbf{j}$$

$$-\mathbf{i} + 9 \mathbf{j}$$

$$23 \mathbf{i} + 9 \mathbf{j}$$

$$23 \mathbf{i} + 5 \mathbf{j}$$

$$24 \mathbf{i} + 9 \mathbf{j}$$

Solution

$$\begin{aligned} & 11 \mathbf{i} + 7 \mathbf{j} + 12 \mathbf{i} - 2 \mathbf{j} \\ &= (11 \mathbf{i} + 12 \mathbf{i}) + (7 \mathbf{j} - 2 \mathbf{j}) \\ &= 23 \mathbf{i} + 5 \mathbf{j} \end{aligned}$$