

Find $4\mathbf{a} - \mathbf{b}$.

$$\mathbf{a} = \begin{pmatrix} 1 \\ 8 \end{pmatrix}, \mathbf{b} = \begin{pmatrix} 3 \\ 4 \end{pmatrix}$$

Find $\mathbf{a} + \mathbf{b}$.

$$\mathbf{a} = \begin{pmatrix} 5 \\ 3 \end{pmatrix}, \mathbf{b} = \begin{pmatrix} 7 \\ 6 \end{pmatrix}$$

Find $\mathbf{a} - 3\mathbf{b}$.

$$\mathbf{a} = \begin{pmatrix} 9 \\ 4 \end{pmatrix}, \mathbf{b} = \begin{pmatrix} 1 \\ 2 \end{pmatrix}$$

Find $2\mathbf{a} + \mathbf{b}$.

$$\mathbf{a} = \begin{pmatrix} 8 \\ 5 \end{pmatrix}, \mathbf{b} = \begin{pmatrix} 2 \\ 7 \end{pmatrix}$$

Find $\mathbf{a} + \mathbf{b}$.

$$\mathbf{a} = \begin{pmatrix} 4 \\ 9 \end{pmatrix}, \mathbf{b} = \begin{pmatrix} -2 \\ 3 \end{pmatrix}$$

Find $3\mathbf{a} + \mathbf{b}$.

$$\mathbf{a} = \begin{pmatrix} -1 \\ 6 \end{pmatrix}, \mathbf{b} = \begin{pmatrix} 4 \\ 2 \end{pmatrix}$$

1 $4a - b = \begin{pmatrix} 1 \\ 28 \end{pmatrix}$

2 $a + b = \begin{pmatrix} 12 \\ 9 \end{pmatrix}$

3 $a - 3b = \begin{pmatrix} 6 \\ -2 \end{pmatrix}$

4 $2a + b = \begin{pmatrix} 18 \\ 17 \end{pmatrix}$

5 $a + b = \begin{pmatrix} 2 \\ 12 \end{pmatrix}$

6 $3a + b = \begin{pmatrix} 1 \\ 20 \end{pmatrix}$