1. $\mathbf{a} = \begin{pmatrix} 4 \\ -1 \end{pmatrix}$ $\mathbf{b} = \begin{pmatrix} -3 \\ 5 \end{pmatrix}$

Work out $\mathbf{a} + \mathbf{b}$ as a column vector.

$\begin{pmatrix} ..... \\ ..... \end{pmatrix}$

2. $\mathbf{a} = \begin{pmatrix} 1 \\ 3 \end{pmatrix}$ $\mathbf{b} = \begin{pmatrix} -2 \\ 5 \end{pmatrix}$

Work out $\mathbf{a} + \mathbf{b}$ as a column vector.

$\begin{pmatrix} ..... \\ ..... \end{pmatrix}$

3. $\mathbf{a} = \begin{pmatrix} 5 \\ -3 \end{pmatrix}$ $\mathbf{b} = \begin{pmatrix} -2 \\ 1 \end{pmatrix}$

Work out $\mathbf{a} + \mathbf{b}$ as a column vector.

$\begin{pmatrix} ..... \\ ..... \end{pmatrix}$

Answers

1. 1
   4

2. -1
   8

3. 3
   -2