10 $\mathbf{a} = \begin{pmatrix} 1 \\ -7 \end{pmatrix}$ $\mathbf{c} = \begin{pmatrix} 17 \\ -19 \end{pmatrix}$

Given that $4\mathbf{a} - 5\mathbf{b} = 2\mathbf{c}$

find $\mathbf{b}$ as a column vector.

$\begin{pmatrix} \ldots\ldots\ldots\ldots \\ \ldots\ldots\ldots\ldots \end{pmatrix}$

(Total for Question 10 is 4 marks)