

Question	Answer	Mark	Mark scheme	Additional guidance
10	$\begin{pmatrix} -6 \\ 2 \end{pmatrix}$	P1	for a process to find $4\mathbf{a}$ or $2\mathbf{c}$, eg $4 \times \begin{pmatrix} 1 \\ -7 \end{pmatrix} \left(= \begin{pmatrix} 4 \\ -28 \end{pmatrix} \right)$ or $2 \times \begin{pmatrix} 17 \\ -19 \end{pmatrix} \left(= \begin{pmatrix} 34 \\ -38 \end{pmatrix} \right)$ or for forming an equation, eg $4 - 5x = 34$ or $-28 - 5y = -38$	May make \mathbf{b} the subject first For P marks condone incorrect notation if process is clear
		P1	for a process to find $5\mathbf{b}$ or $-5\mathbf{b}$, eg " $\begin{pmatrix} 4 \\ -28 \end{pmatrix}$ " - " $\begin{pmatrix} 34 \\ -38 \end{pmatrix}$ " $\left(= \begin{pmatrix} -30 \\ 10 \end{pmatrix} \right)$ or " $\begin{pmatrix} 34 \\ -38 \end{pmatrix}$ " - " $\begin{pmatrix} 4 \\ -28 \end{pmatrix}$ " $\left(= \begin{pmatrix} 30 \\ -10 \end{pmatrix} \right)$ or for a process to solve $4 - 5x = 34$ or $-28 - 5y = -38$	
		P1	for a complete process to find \mathbf{b} , eg " $\begin{pmatrix} -30 \\ 10 \end{pmatrix}$ " $\div 5$ or " $\begin{pmatrix} 30 \\ -10 \end{pmatrix}$ " $\div (-5)$ or for process to solve both $4 - 5x = 34$ and $-28 - 5y = -38$	
		A1	cao	