Paper: 1MA1/1F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
26 **Q1**	$\begin{pmatrix}9\\11\end{pmatrix}$	M1 A1	for $\binom{2\times5}{2\times2}$ [= $\binom{10}{4}$] or $2 \times 5 - 1$ (= 9) or $2 \times 2 + 7$ (= 11) cao	

Paper: 1MA1/2F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
30 **Q2**	Vector drawn	M1 M1 A1	for $5 - 2 \times 3$ (= –1) **or** $2 - 2 \times - 1$ (= 4) seen as a calculation **OR** for $\begin{pmatrix}5\\2\end{pmatrix} - \begin{pmatrix}2\times3\\2\times-1\end{pmatrix}$ **OR** for $\begin{pmatrix}-1\\b\end{pmatrix}$ **or** $\begin{pmatrix}a\\4\end{pmatrix}$ **OR** for $\begin{pmatrix}5\\2\end{pmatrix}$ **or** $\begin{pmatrix}-3\\1\end{pmatrix}$ **or** $\begin{pmatrix}-6\\2\end{pmatrix}$ drawn for $\begin{pmatrix}-1\\4\end{pmatrix}$ **OR** for $\begin{pmatrix}-1\\4\end{pmatrix}$ drawn with no arrow or incorrect arrow **OR** for $\begin{pmatrix}-1\\b\end{pmatrix}$ **or** $\begin{pmatrix}a\\4\end{pmatrix}$ drawn with arrow, where $b \neq 4$ and $a \neq -1$ cao	May be in a column vector Condone missing arrows For this mark the drawn vector must include an arrow showing direction.

Paper: 1MA1/2F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
29 **Q3**	$\begin{pmatrix}-2\\1\end{pmatrix}$	M1 A1	for $4 - 2 \times 3$ (= –2) or $5 - 2 \times 2$ (=1) seen as a calculation **OR** for $\begin{pmatrix}4\\5\end{pmatrix} - \begin{pmatrix}2\times3\\2\times2\end{pmatrix}$ **OR** for $\begin{pmatrix}-2\\b\end{pmatrix}$ where b ≠ 1 or $\begin{pmatrix}a\\1\end{pmatrix}$ where $a \neq -2$ cao	May be in a column vector

Paper: 1MA1/2F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
26 **Q4**	$\begin{pmatrix}-9\\14\end{pmatrix}$	M1 A1	for $2\begin{pmatrix}3\\4\end{pmatrix} - 3\begin{pmatrix}5\\-2\end{pmatrix}$ **or** $\begin{pmatrix}6\\8\end{pmatrix}$ **and** $\begin{pmatrix}15\\-6\end{pmatrix}$ **or** $\begin{pmatrix}-9\\y\end{pmatrix}$ **or** $\begin{pmatrix}x\\14\end{pmatrix}$ cao	May be seen in two separate calculations eg 2×3 + –3×5 and 2×4 + –3×–2 Condone incorrect notation if method is clear for this mark only

Paper: 1MA1/3F				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
30 (a)(i)	$\begin{pmatrix}1\\5\end{pmatrix}$	B1	for $\begin{pmatrix}1\\5\end{pmatrix}$	
(ii)	$\begin{pmatrix}0\\5\end{pmatrix}$	M1	for substitution of values eg $\begin{pmatrix}2\times2-4\\3\times2-1\end{pmatrix}$ oe **OR** for $\begin{pmatrix}0\\b\end{pmatrix}$ **or** $\begin{pmatrix}a\\5\end{pmatrix}$ where a, b are integer values.	Need not be shown in brackets at this stage
Q5		A1	for $\begin{pmatrix}0\\5\end{pmatrix}$	
(b)	correct vector drawn	C1	for a correct vector drawn from point P	Need not be labelled but do not award if there is any ambiguity.

Paper: 1MA1/1F					
Question		**Working**	**Answer**	**Mark**	**Notes**
27	(a		2**b**	B1	oe
Q6	(b)		**b** – **a**	B1	oe
	(c)		– **a** – **b**	B1	ft oe