a) (2)	a)
Vector $\boldsymbol{m} = \begin{pmatrix} 3 \\ -2 \end{pmatrix}$ and vector $\boldsymbol{n} = \begin{pmatrix} 4 \\ k \end{pmatrix}$.	Vector $\boldsymbol{m} = \begin{pmatrix} 3 \\ -2 \end{pmatrix}$ and vector $\boldsymbol{n} = \begin{pmatrix} 4 \\ k \end{pmatrix}$.
Vector $3m - 2n$ is parallel to $\binom{-1}{9}$.	Vector $3\boldsymbol{m} - 2\boldsymbol{n}$ is parallel to $\begin{pmatrix} -1\\ 9 \end{pmatrix}$.
Find the value of k.	Find the value of k.
b)	b)
Vector $\boldsymbol{m} = \begin{pmatrix} 1 \\ k \end{pmatrix}$ and vector $\boldsymbol{n} = \begin{pmatrix} 2 \\ 5 \end{pmatrix}$.	Vector $\boldsymbol{m} = \begin{pmatrix} 1 \\ k \end{pmatrix}$ and vector $\boldsymbol{n} = \begin{pmatrix} 2 \\ 5 \end{pmatrix}$.
Vector $2\boldsymbol{m} + \boldsymbol{n}$ is perpendicular to $\begin{pmatrix} 1\\ 2 \end{pmatrix}$.	Vector $2m + n$ is perpendicular to $\binom{1}{2}$.
Find the value of k.	Find the value of k.
c) Vector $\boldsymbol{a} = \begin{pmatrix} 1 \\ 5 \\ 4 \end{pmatrix}$, vector $\boldsymbol{b} = \begin{pmatrix} p \\ -1 \\ 2 \end{pmatrix}$ and vector $\boldsymbol{c} = \begin{pmatrix} 1 \\ r \\ 2 \end{pmatrix}$.	c) Vector $\boldsymbol{a} = \begin{pmatrix} 1 \\ 5 \\ 4 \end{pmatrix}$, vector $\boldsymbol{b} = \begin{pmatrix} p \\ -1 \\ 2 \end{pmatrix}$ and vector $\boldsymbol{c} = \begin{pmatrix} 1 \\ r \\ 2 \end{pmatrix}$.
	$\begin{pmatrix} 4 \end{pmatrix}$ $\begin{pmatrix} 2 \end{pmatrix}$ $\begin{pmatrix} 2 \end{pmatrix}$ $\begin{pmatrix} 2 \end{pmatrix}$
Vector $2\boldsymbol{a} + 3\boldsymbol{b} - \boldsymbol{c}$ is parallel to $\begin{pmatrix} 1\\2\\3 \end{pmatrix}$.	Vector $2\boldsymbol{a} + 3\boldsymbol{b} - \boldsymbol{c}$ is parallel to $\begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix}$.
Find the values of p and r.	Find the values of p and r.
BACKWARD FADED MATHS	BACKWARD FADED MATHS