

Question			Answer	Marks	AO	Guidance
4			$3(2a\mathbf{i} + b\mathbf{j}) + (b\mathbf{i} - 3\mathbf{j}) \quad [= 22\mathbf{i} - 9\mathbf{j}]$	M1	1.1	Attempt to scalar multiply $\mathbf{v}_1$ and add to $\mathbf{v}_2$ Allow vector expression or 2 separate components
			$6a + b = 22$ and $3b - 3 = -9$	M1	3.1a	Equate coefficients of $\mathbf{i}$ and $\mathbf{j}$ to form two equations. Allow if $\mathbf{i}$ and $\mathbf{j}$ still seen in every term of these equations
			$a = 4$	A1	1.1	cao
			$b = -2$	A1	1.1	cao
				[4]		