Question	Scheme	Marks	AOs
3	$(2\mathbf{i}-\mathbf{j})+(c\mathbf{i}-13.4\mathbf{j})=m(10\mathbf{i}-24\mathbf{j})$	M1	3.1a
	Equate coefficients of **i** and **j**	M1	2.1
	$2+c=10m$ and $-1-13.4=-24m$	A1	1.1b
	$c = 4$	A1	1.1b
		(4)	

(4 marks)

Notes:

3	M1	Use of **F** = m**a**
	M1	Allow inclusion of **i** and **j** on both sides
	A1	No vectors in equations, seen or implied
	A1	cao