18	(a)		$-4\mathbf{a} + 4\mathbf{b}$	1	B1	oe eg $4(\mathbf{b} - \mathbf{a})$
	(b)	$4\mathbf{a} + \frac{1}{4}\left(-4\mathbf{a} + 4\mathbf{b}\right)$ oe or $4\mathbf{a} + \frac{1}{4}[\overrightarrow{AB}]$ **or** $4\mathbf{b} - \frac{3}{4}\left(-4\mathbf{a} + 4\mathbf{b}\right)$ oe or $4\mathbf{b} - \frac{3}{4}[\overrightarrow{AB}]$		2	M1ft	for a correct expression ft their (a) where $[\overrightarrow{AB}]$ is their answer to (a) of the form $m\mathbf{a} + n\mathbf{b}$, $m, n \neq 0$
		Correct answer only scores full marks (unless from obviously incorrect working)	$3\mathbf{a} + \mathbf{b}$		A1	allow $\mathbf{b} + 3\mathbf{a}$
						Total 3 marks

19	(a)		$-\frac{1}{2}$	1	B1	oe Accept $x = -\frac{1}{2}$, accept $x \neq -\frac{1}{2}$ Do not allow inequalities, eg $x > -\frac{1}{2}$ or $x \leq -\frac{1}{2}$
	(b)	$\frac{3x - 4}{2(3x - 4) + 1}$		2	M1	for a correct unsimplified expression for gf(x)
		Correct answer only scores full marks (unless from obviously incorrect working)	$\frac{3x - 4}{6x - 7}$		A1	oe eg $\frac{4 - 3x}{7 - 6x}$ Correct answer seen followed by incorrect subsequent working scores M1A0
						Total 3 marks