16	(a)		−4	1	B1	
	(b)	(f(2.6) =) 5 × 2.6 − 7 (= 6) **or** $\text{gf}(x) = \frac{5(5x-7)}{5x-7+4}$ oe		2	M1	for finding f(2.6) **or** gf(x)
			3		A1	
	(c)	$5\left(\frac{5x}{x+4}\right)-7=2$ **or** $\frac{5x}{x+4}=\frac{2+7}{5}$ oe		3	M1	
		$25x = 9(x + 4)$ oe			M1	for removing the denominator $(x + 4)$ in a correct equation
			2.25		A1	oe
	ALT (c)	fg(x) = 2 ⇒ g(x) = $f^{-1}(2)$ (=9/5) and attempt at f^{-1} or $f^{-1}(2)$			M1	
		$x = g^{-1}$(“9/5”)			M1	
			2.25		A1	oe
	(d)	$y=\frac{5x}{x+4}$ **or** $x=\frac{5y}{y+4}$ $y(x+4)=5x$ $x(y+4)=5y$		3	M1	
		e.g. $4y = x(5 – y)$ **or** e.g. $4x = y(5 – x)$			M1	for a correct rearrangement and factorising
			$\frac{4x}{5-x}$		A1	oe e.g. $\frac{-4x}{x-5}$
						Total 9 marks