24	(a)	g(2) = 7 × 2 – 6 (= 8) **or** $5(7\times 2-6)^2-10(7\times 2-6)+7$			2	M1	
		Working not required, so correct answer scores full marks		247		A1	
	(b)	eg $y = 5(x^2-2x)+7$ **or** $y=5(x^2-2x+\frac{7}{5})$ oe	eg $x = 5(y^2-2y)+7$ **or** $x=5(y^2-2y+\frac{7}{5})$		4	M1	**or** eg $\frac{y-7}{5}=x^2-2x$
		eg $y = 5[(x-1)^2-1^2]+7$ **or** $y=5\left((x-1)^2-1^2+\frac{7}{5}\right)$ oe	eg $x=5\left((y-1)^2-1^2\right)+7$ **or** $x=5\left((y-1)^2-1^2+\frac{7}{5}\right)$ oe			M1	**or** eg $\frac{y-7}{5}=(x-1)^2-1^2$
		$(x-1)^2=\frac{y-2}{5}$ oe	$(y-1)^2=\frac{x-2}{5}$ oe			M1	**or** eg $(x-1)^2=\frac{y-7}{5}+1$
		Working not required, so correct answer scores full marks(unless from obvious incorrect working)		$1+\sqrt{\frac{x-2}{5}}$		A1	Must be in terms of *x*, oe eg $1+\sqrt{\frac{x-7}{5}+1}$ (NB: $f^{-1}(x)=1\pm\sqrt{\frac{x-2}{5}}$ is 3 marks)
		Alternative for (b)					**Total 6 marks**
		Let $x = 5y^2-10y+7$ [⇔] $5y^2-10y+(7-x)=0$ oe			4	M1	
		$[y=]\frac{10\pm\sqrt{100-20(7-x)}}{10}$				M1	
		$1\pm\sqrt{\frac{x-2}{5}}$				M1	
		Working not required, so correct answer scores full marks (unless from obvious incorrect working)		$1+\sqrt{\frac{x-2}{5}}$		A1	Must be in terms of *x*
							Total 6 marks