7	The	function f is defined for $x \ge 0$ by $f(x) = (4x + 1)^{\frac{3}{2}}$.	
	(i)	Find $f'(x)$ and $f''(x)$.	[3]
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	The	first, second and third terms of a geometric progression are respectively $f(2)$, $f'(2)$ and $kf''(2)$	١.
	(ii)	Find the value of the constant k .	[5]
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