Unit 7: Differentiation

Subunit 7.1: Gradient and differentiation

Topical Question N	lo:	1
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	2,4), B(2.0001,k),)(), F(3,11.220	,,0)
(a) I	Find the value of k .	Give your an	swer correct	to 5 decimal p	olaces.		
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The ta	able shows the grad	dients of the c	hords AB, AC	C, AD and AF .			
	Chord	AB	AC	AD	AE	AF	
	Gradient of chord	6.2501	6.2511	6.2608		7.2288	
(b) I		f the elected 47	E Give week	anguvan a anna a	t to A design	al places	
(0) 1	Find the gradient of	the chord AE	E. Give your a	inswer correct	t to 4 decim	ai piaces.	
	Deduce the value o	f f'(2) using	the values in	the table.			
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(c) I	Deduce the value o	f f'(2) using	the values in	the table.			
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