

Question			Answer	Marks	AO	Guidance
1			When $x = 0$	M1	2.1	Using a negative value or zero
			$1 + 0^2 = 1$ and $(1 + 0)^2 = 1$			
			Values are equal, which contradicts the statement $1 + x^2 < (1 + x)^2$ for all values of x [So the statement is false]	A1	2.1	Must see an explicit comparison between correct values (could be in words or symbols)
				[2]		