

Question	Answer	Marks	Guidance
3(a)	$[f(2+h)=] 2(2+h)^2 - 3$	<b>B1</b>	SOI
	$\frac{(2(2+h)^2 - 3) - 5}{(2+h) - 2} \quad \left[ = \frac{2h^2 + 8h}{h} \right]$	<b>M1</b>	$\left\{ \frac{\text{their}(2(2+h)^2 - 3) - \text{their}5}{(2+h) - 2} \right\}$ can be implied by the simplified expression or the correct answer. <i>Their 5</i> must come from $2(2)^2 - 3$ .
	$2h + 8$ or $2(h + 4)$	<b>A1</b>	
		<b>3</b>	
3(b)	$h \rightarrow 0$ , or chord [AB] $\rightarrow$ tangent [at A]	<b>B1</b>	Either of these statements or any sight of $h = 0$ .
	8	<b>B1FT</b>	Could come from anywhere except wrong working. Either correct or FT their linear expression from (a).
		<b>2</b>	