

Question		Answer	Mark	Guidance
6	(a)	$0.1(1 + 1.1^2 + 1.2^2 + 1.3^2 + 1.4^2)$ $0.1(1.1^2 + 1.2^2 + 1.3^2 + 1.4^2 + 1.5^2)$	B1 [1]	NB. Check working Both seen oe
6	(b)	0.79 About half way between the last two bounds or $(0.784 + 0.799) \div 2 = 0.79$ Ignore all else	B1 B1 [2]	Not 0.7915 condone "The mean of the last two bounds" or other sensible Allow UB and LB are converging towards 0.79 oe The two B1 marks are independent
6	(c)	$\lim_{\delta x \rightarrow 0} \sum_{x=1}^{1.5} y \delta x$	B1 B1	for $\lim_{\delta x \rightarrow 0} \sum y \delta x$. Allow x^2 instead of y for limits, dep using Σ not integral. $\lim_{\delta x \rightarrow 0} \sum_1^{1.5} y \delta x$ B1B0