5	**(a)**		2 | 1.414214 | 0.414214 | 0.414214	**B1** **[1]**	**1.1a**	cao Must be to 6 dp	Condone truncated to 6 dp (1.414213 etc.)
5	**(b)**		The limit of the sequence of gradients as h tends to zero is the gradient of (the tangent to) the curve. (The sequence of gradients tends to 0.5.)	**B1** **[1]**	**2.4**	Must communicate the idea of a **limit as *h* tends to zero** but need not be expressed in that way	Do not allow "as h decreases, gradient increases" without "towards 0.5" or "towards a limit" or "towards the gradient of the curve/tangent"
5	**(c)**		$\frac{dy}{dx} = \frac{1}{2}x^{-\frac{1}{2}}$ When $x = 1$, $\frac{dy}{dx} = \frac{1}{2} \times 1^{-\frac{1}{2}} = \frac{1}{2}$	**M1** **A1** **[2]**	**1.1a** **1.1**	Differentiating	