

Question			Expected response	Max mark	Additional guidance
1.		(iii)	$s = ut + \frac{1}{2}at^2$ (1) $s = 6.91 \times 0.71 + \frac{1}{2} \times -9.8 \times 0.71^2$ (1) $s = 2.4 \text{ m}$ (1)	3	OR consistent with (a)(i)(B) Accept: 2, 2.44, 2.436 Alternative methods: $v^2 = u^2 + 2as$ $0^2 = 6.91^2 + 2 \times -9.8 \times s$ $s = 2.4 \text{ m}$ Accept: 2, 2.44, 2.436 for this method. $s = \frac{1}{2}(u + v)t$ $s = \frac{1}{2} \times (6.91 + 0) \times 0.71$ $s = 2.5 \text{ m}$ Accept: 2, 2.45, 2.453 for this method.
	(b)		under (1) The ball has a smaller (initial) <u>vertical</u> (component of) velocity (so never reaches the same height). (1)	2	JUSTIFY question Accept: below Accept: speed instead of velocity