

Multiple Choice Answers

Q5: C

Multiple Choice Answers

Q7: B

Multiple Choice Answers

Q5: B

Multiple Choice Answers

Q6: D

Multiple Choice Answers

Q5: B

Multiple Choice Answers

Q7: C

Multiple Choice Answers

Q6: D

Multiple Choice Answers

Q6: A

Multiple Choice Answers

Q6: B

3(a)	$v^2 = u^2 + 2as$
	$s = 5.6^2 / (2 \times 9.81)$
	(max height =) $3.1 + 5.6^2 / (2 \times 9.81) = 4.7$ (m)
3(b)	$s = ut + \frac{1}{2}at^2$
	$4.7 = \frac{1}{2} \times 9.81 \times t^2$
	$t = 0.98$ s
3(c)	line drawn from a non-zero speed at $t = 0$ to a greater speed at $t = T$
	a single sloping straight line drawn from $t = 0$ to $t = T$
	line starts with a positive non-zero value of v and ends with a negative non-zero value of v
3(d)	acceleration (of the ball)
3(e)(i)	(magnitudes of accelerations are) equal / same
3(e)(ii)	(speeds are) equal / same