NI-A-T	Quiz 7c
_Note Tit	A punter kicks a ball straight upwards. It has a total hang time (time in air) of 5.42 s.
	a. How fast was the ball traveling immediately after the punter kicked it?
	b. How high did the ball go?
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$$Q + \frac{1}{2}$$

$$V = 6$$

$$V_0 = \frac{?}{?}$$

$$Q = -9.8$$

$$Q$$

$$V_1 = 5.42s = 2.71s$$

$$V_2 = V_0 + a + \frac{1}{2}$$

$$V_3 = -4 + \frac{1}{2} = -(-9.8)(2.71s)$$

$$= 26.558 \text{ m/s}$$

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b.)
$$d = V_0 + \frac{1}{2}at^2$$

= $(26.558)(2.71) + \frac{1}{2}(-9.8)(2.71)^2$
= 36.0 m