

$$2/15 \quad v^2 = v_0^2 + 2a(s-s_0)$$

$$\left(\frac{200}{3.6}\right)^2 = 0^2 + 2(0.4 \cdot 9.81) s$$

$$s = 393 \text{ m}$$

$$v = v_0 + at : \left(\frac{200}{3.6}\right) = 0 + 0.4(9.81) t$$

$$t = 14.16 \text{ s}$$