

$$1. \quad S = ut + \frac{1}{2}at^2$$

S: distance

u: initial velocity

t: time

a: acceleration
due to gravity.

(usually is 9.8 m/s^2)

$$2. \quad v^2 = u^2 + 2as$$

v: final velocity

u: initial velocity

a: acceleration
due to gravity.

usually is 9.8 m/s^2

s: distance