Mechanics Exercise 8A

- $h = 0.36x 0.003x^{2}$
 - a); $x = 0 = h = 0.36 \times 0 0.003 \times 0^2 = 0$
 - ii) x=100 => h= 0.36x100 0.003x1002 = 6m
 - b) 2C = 200, $h = 0.36 \times 200 0.003 \times 200^{2}$ h = -48 m
 - C) Inappropriate as h is negative Model not applicable for values of ac where h is negative

Kinematics - constant acceleration