

1)

$$h = \frac{v_0^2 \sin^2 \theta}{2g}$$

2)

$$\Delta y = \tan \theta \Delta x - \frac{g \Delta x^2}{2v_0^2 \cos^2 \theta}$$

3)

$$R = \frac{v_0^2 \sin(2\theta)}{g}$$

4)

$$\Delta v^2 = 2a\Delta x$$

5)

$$[G] = \frac{\text{m}^3}{\text{kg s}^2}$$