

1)

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

2)

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

3)

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