Johanna Camilla Rey - 19103657

$$t = \sqrt{\frac{2h}{g}}$$

Linearização 1:

$$\underbrace{h}_{y} = \underbrace{\frac{1}{2}}_{a_1} \cdot g \cdot \underbrace{t^2}_{x}$$

$y = h$

$x = t^2$

$a_0 = 0$

$a_1 = \frac{1}{2} g \Rightarrow g = 2a_1$

Linearização 2:

$$\underbrace{\log t}_{y} = \underbrace{\log \sqrt{\tfrac{2}{g}}}_{a_0} + \underbrace{\log \sqrt{h}}_{x}$$

$y = \log t$

$x = \log \sqrt{h}$

$a_0 = 1$

$a_1 = \log\left(\sqrt{\frac{2}{g}}\right) \Rightarrow g = \frac{2}{10^{2 \cdot a_0}}$