$$S : g(x) = ax^2 + bx + c$$

$$A = \begin{bmatrix} x^2 & x & 1 \\ x^2 & x & 1 \\ x^2 & x & 1 \end{bmatrix}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$\begin{cases} x^2 & x & 1 \\ x^2 & x & 1 \end{cases}$$

$$S: g(x) = e^{ax^2 + bx + c}$$

$$\log g(x) = ax^2 + bx + c$$

(Video stener algolineal, PERO)

$$A = \begin{bmatrix} x^2 & \times & 1 \\ x^2 & \times & 1 \\ x^2 & \times & 1 \end{bmatrix}$$

$$\begin{bmatrix} x^2 & \times & 1 \\ x^2 & \times & 1 \end{bmatrix}$$

$$\begin{bmatrix} x^2 & \times & 1 \\ x^2 & \times & 1 \end{bmatrix}$$

$$S: g(x) = \log \left(ax^2 + bx + C\right)$$

$$e^{g(x)} = ax^{2} + bx + c \qquad con \qquad e^{g(x)} = e^{g(x)}$$

$$Sig(x) = \left(ax^2 + bx + C\right)^2$$

Aplico reiz (escé hebrie que justificer que er)
$$\sqrt{g(x)} = ax^2 + bx + c \qquad con \sqrt{g} = \sqrt{y^2}$$

$$\sqrt{3(x)} = ax^2 + bx + c$$

$$\log g(x) = 2 \log (ax^2 + bx + c)$$

$$\frac{\log g(x)}{2} = 2 \log \left(ax^2 + bx + C\right)$$

$$\frac{\log g(x)}{2} = \log \left(ax^2 + bx + C\right)$$

$$e^{\frac{\log g(x)}{2}} = ax^2 + bx + c$$

$$= \left(e^{\log S(x)}\right)^{\frac{1}{2}} = \sqrt{S(x)}$$