## **Merry Christmas Proof**

*Proof.* Given a function as follow:

$$y = \frac{\log_e\left(\frac{x}{m} - sa\right)}{r^2}$$

By rearranging the equation, we can obtain:

$$yr^{2} = \log_{e} \left(\frac{x}{m} - sa\right)$$
$$e^{yr^{2}} = \frac{x}{m} - sa$$
$$me^{yr^{2}} = x - msa$$
$$me^{rry} = x - mas$$