

Merry X-mas!

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y	$=$	$\frac{\ln\left(\frac{x}{m} - sa\right)}{r^2}$	# define y
\Rightarrow	$r^2 y$	$= \ln\left(\frac{x}{m} - sa\right)$	# multiply both sides by r^2
\Rightarrow	$e^{r^2 y}$	$= \frac{x}{m} - sa$	# exponentiate both sides, noting that $e^{\ln(x)} = x$
\Rightarrow	$me^{r^2 y}$	$= x - msa$	# multiply both sides on the left by m
\Rightarrow	$me^{r^2 y}$	$= x - mas$	# $sa = as$ (assume multiplication is commutative)
\Rightarrow	me^{rr}y	= x - mas	# $r^2 = rr \rightarrow$ Merry X-mas!