

# Merry X-mas!

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