

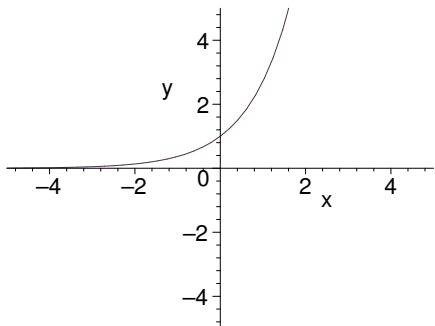
Transformations of $\exp(x)$

$\exp(x)$ and inverse

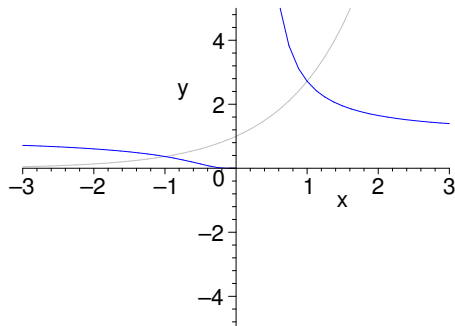
change x

change y

$\exp(x)$

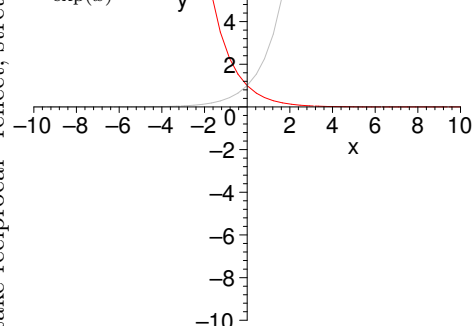


$\exp(1/x)$

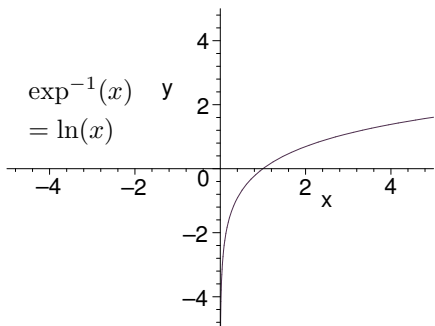


take reciprocal — reflect, stretch and shrink!

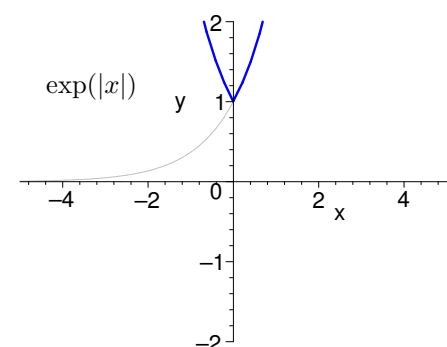
$\frac{1}{\exp(x)}$



$\exp^{-1}(x)$
 $= \ln(x)$

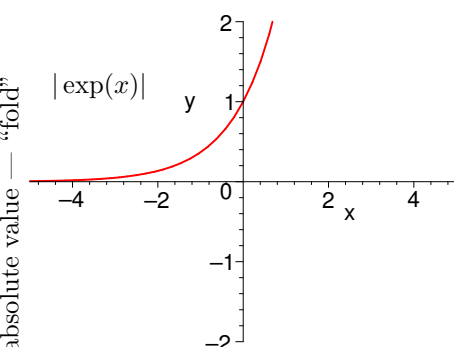


$\exp(|x|)$

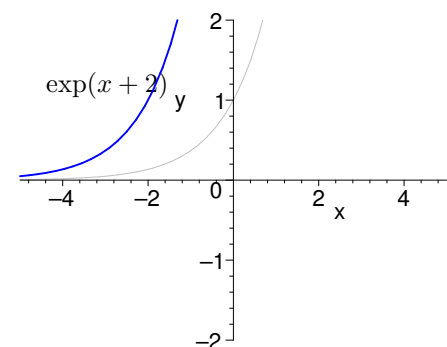


absolute value — “fold”

$|\exp(x)|$

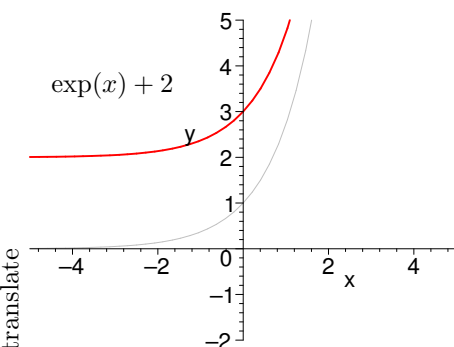


$\exp(x+2)$

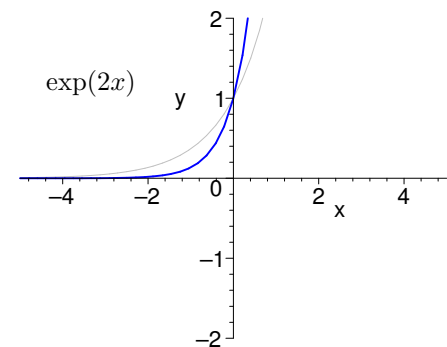


translate

$\exp(x) + 2$

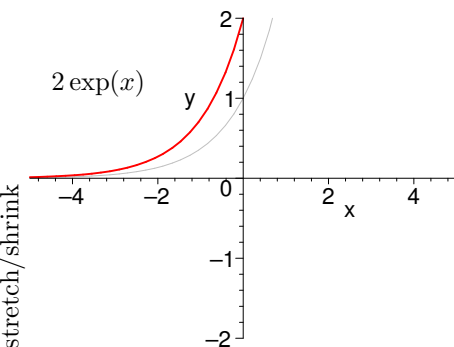


$\exp(2x)$

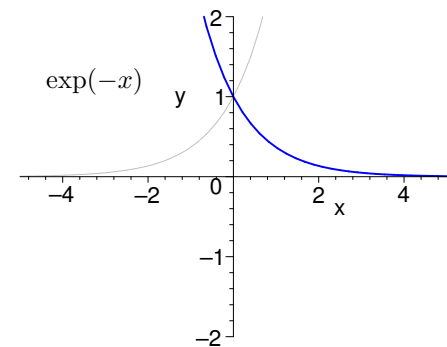


stretch/shrink

$2\exp(x)$

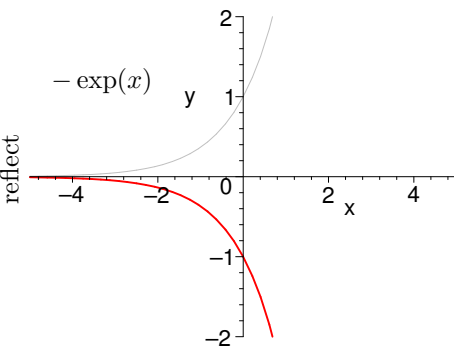


$\exp(-x)$



reflect

$-\exp(x)$



The graph $\exp(x)$ appears in grey in each graph, to compare with the transform.