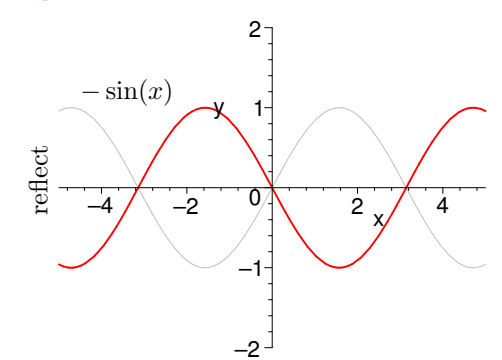
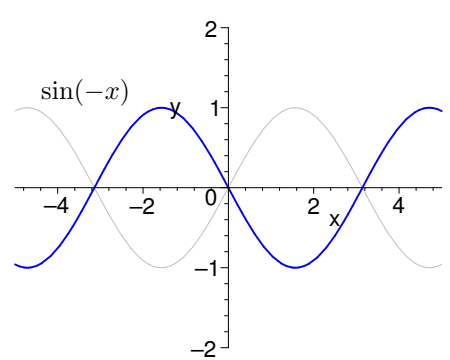
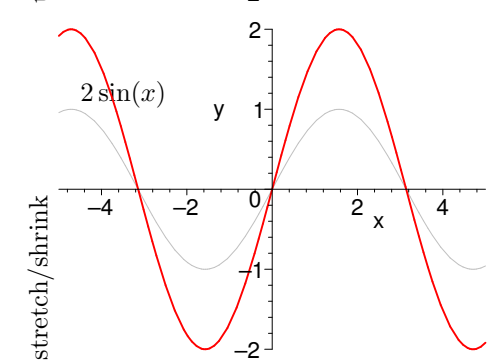
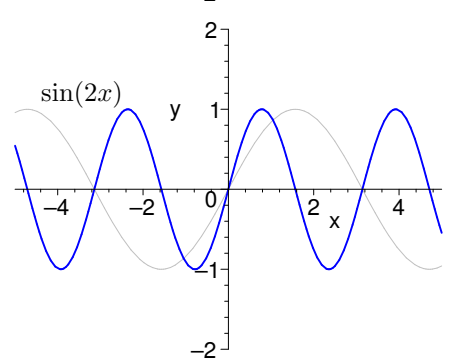
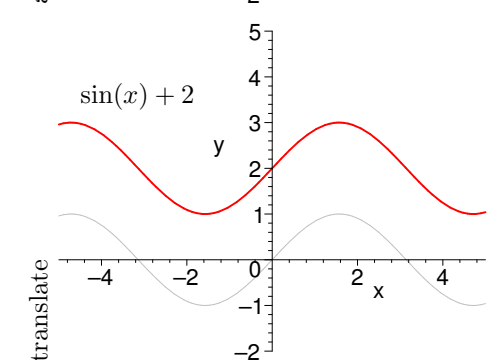
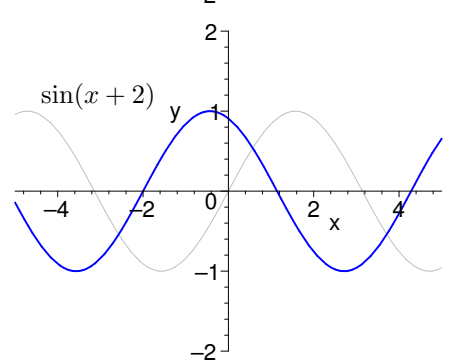
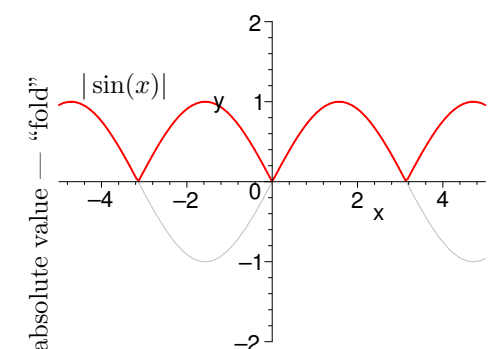
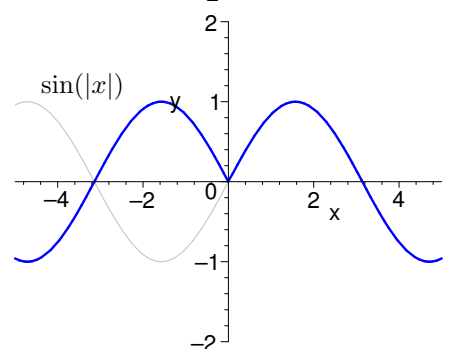
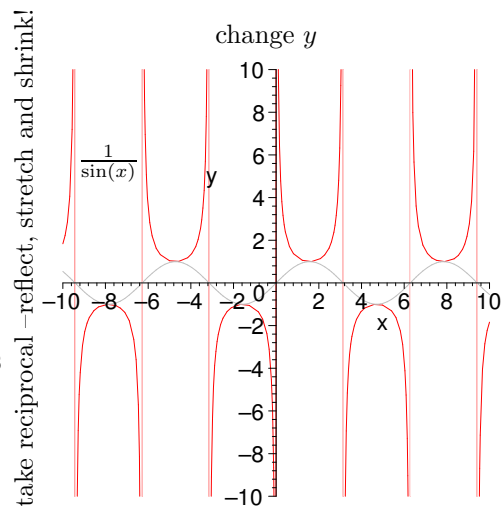
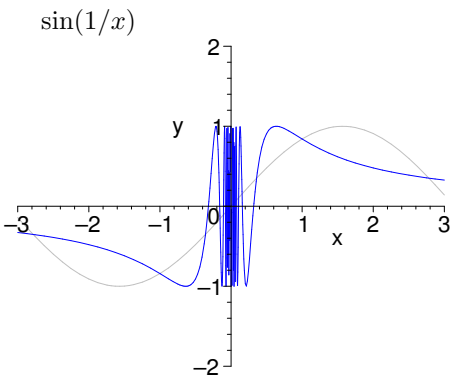
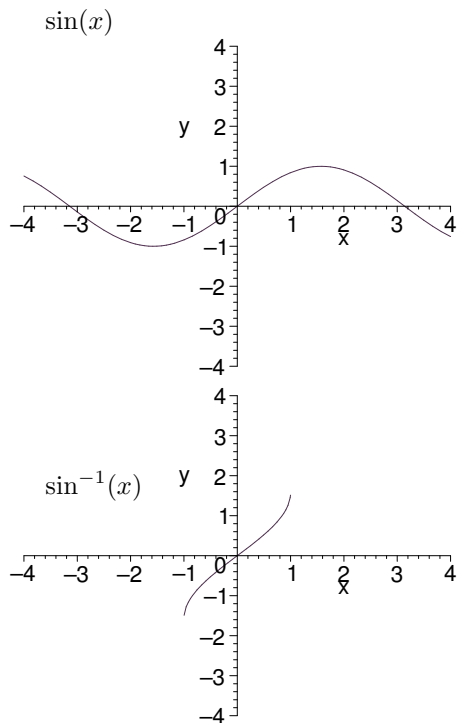


# Transformations of $\sin(x)$

$\sin(x)$  and inverse

change  $x$

change  $y$



take reciprocal — reflect, stretch and shrink!

absolute value — “fold”

translate

stretch/shrink

reflect