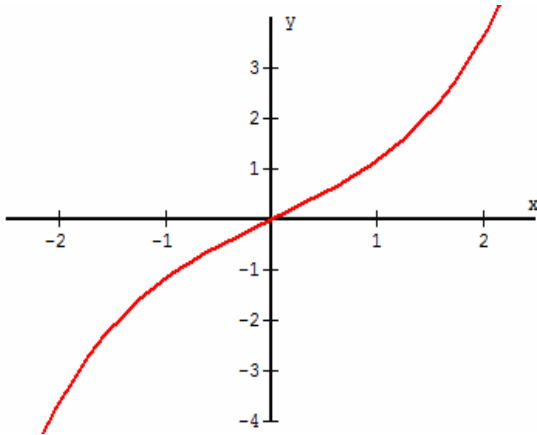


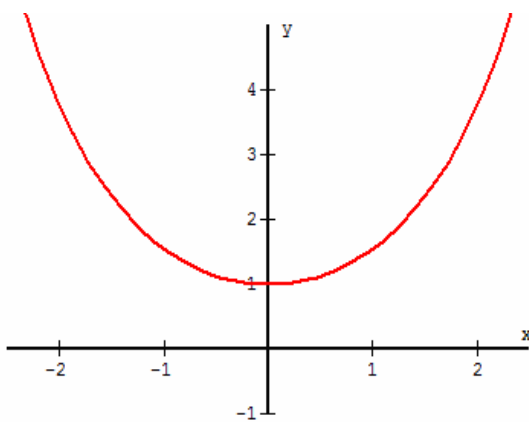
Sec 1.4.1

Hyperbolic Functions

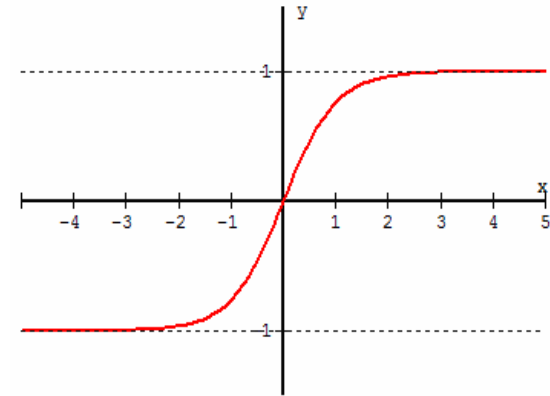
$f(x) = \sinh(x)$, *odd*,
 $D: (-\infty, \infty)$, $R: (-\infty, \infty)$



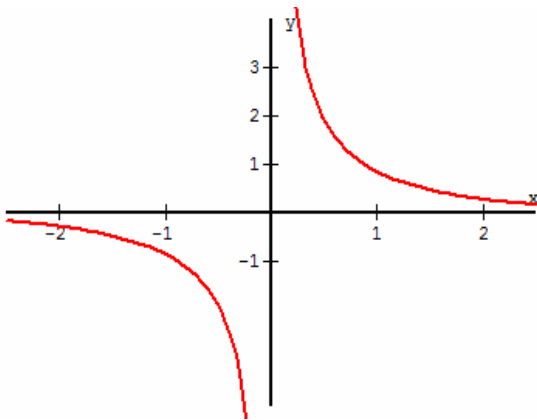
$f(x) = \cosh(x)$, *even*,
 $D: (-\infty, \infty)$, $R: [1, \infty)$



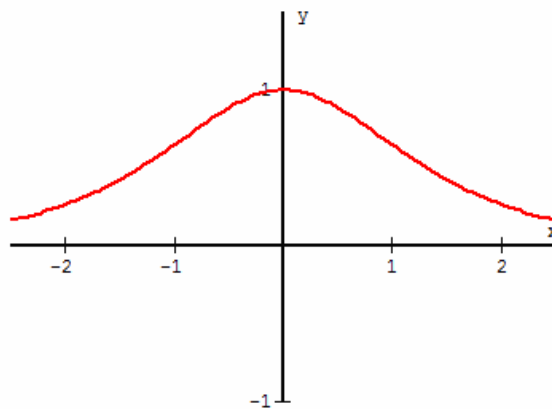
$f(x) = \tanh(x)$, *odd*,
 $D: (-\infty, \infty)$, $R: (-1, 1)$



$f(x) = \operatorname{csch}(x)$, *odd*,
 $D: (-\infty, 0) \cup (0, \infty)$ $R: (-\infty, 0) \cup (0, \infty)$



$f(x) = \operatorname{sech}(x)$, *even*,
 $D: (-\infty, \infty)$, $R: (0, 1]$



$f(x) = \operatorname{coth}(x)$, *odd*,
 $D: (-\infty, \infty)$, $R: (-\infty, -1) \cup (1, \infty)$

