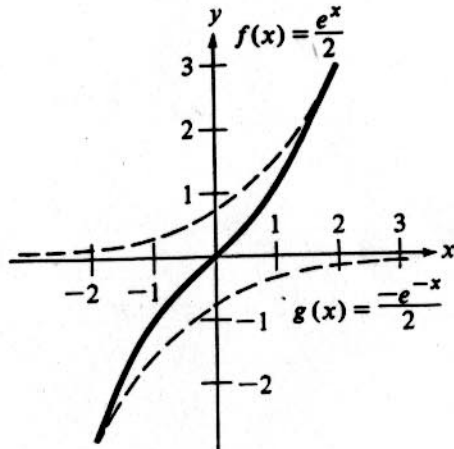


FYI

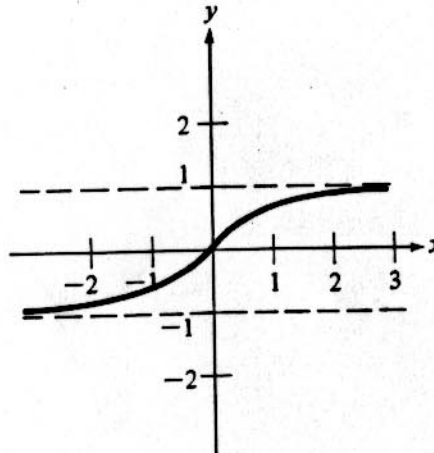
Graphs of Hyperbolic Trig Functions

Domain: $(-\infty, \infty)$
Range: $(-\infty, \infty)$



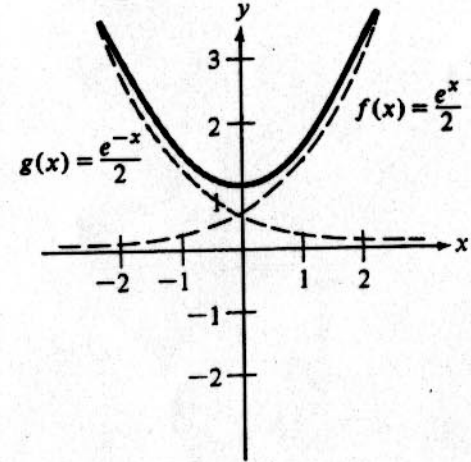
$y = \sinh x$

Domain: $(-\infty, \infty)$
Range: $(-1, 1)$



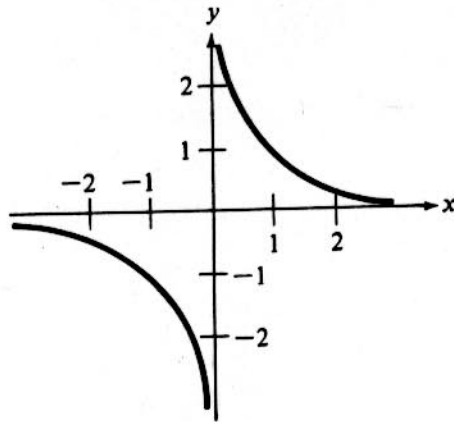
$y = \tanh x$

Domain: $(-\infty, \infty)$
Range: $[1, \infty)$



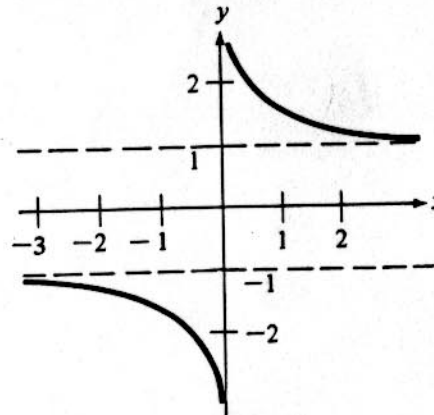
$y = \cosh x$

Domain: $(-\infty, 0) \cup (0, \infty)$
Range: $(-\infty, 0) \cup (0, \infty)$



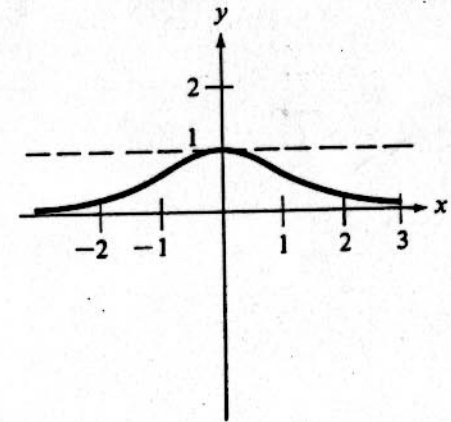
$y = \operatorname{csch} x = \frac{1}{\sinh x}$

Domain: $(-\infty, 0) \cup (0, \infty)$
Range: $(-\infty, -1) \cup (1, \infty)$



$y = \operatorname{coth} x = \frac{1}{\tanh x}$

Domain: $(-\infty, \infty)$
Range: $(0, 1]$



$y = \operatorname{sech} x = \frac{1}{\cosh x}$