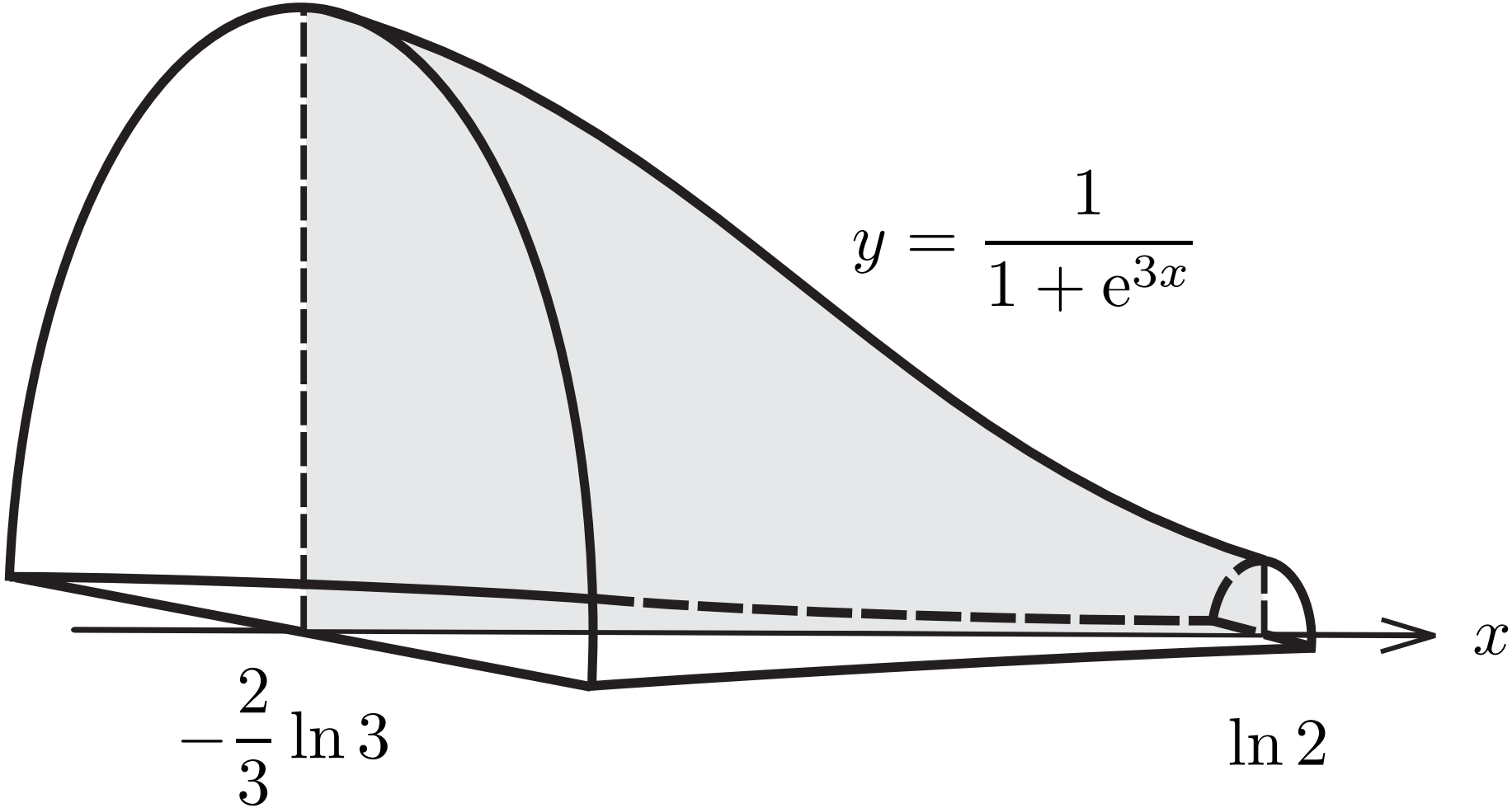
$y = \dfrac{1}{1 + \mathrm{e}^{3x}}$
x
$-\dfrac{2}{3}\ln 3$
$\ln 2$