

a) $\frac{1}{4-x^2}$ (N)
 0 0
 0 disconti; $x=2, x=-2$

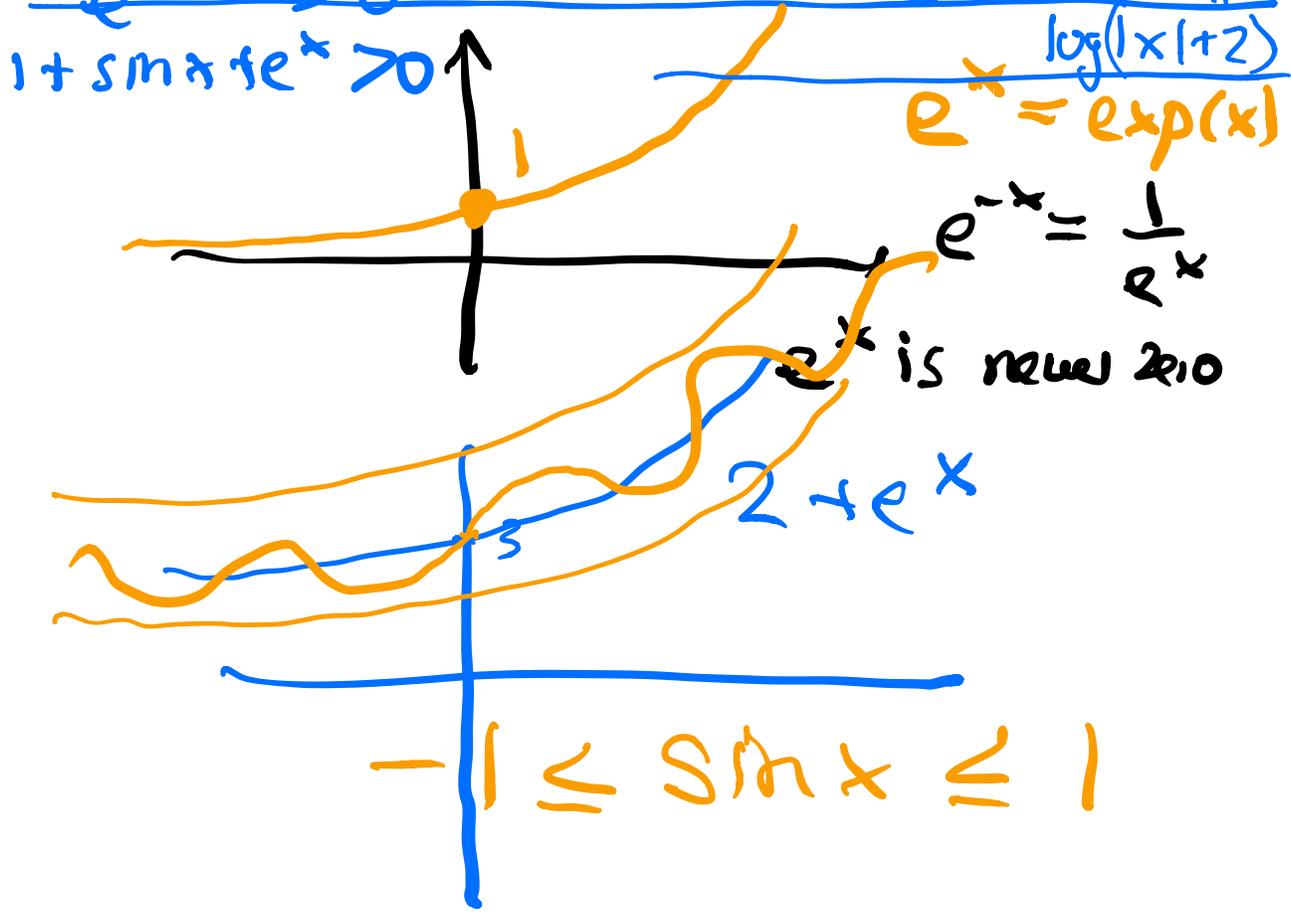
b) $\frac{1}{e^x + \sin x + 2}$ (C)

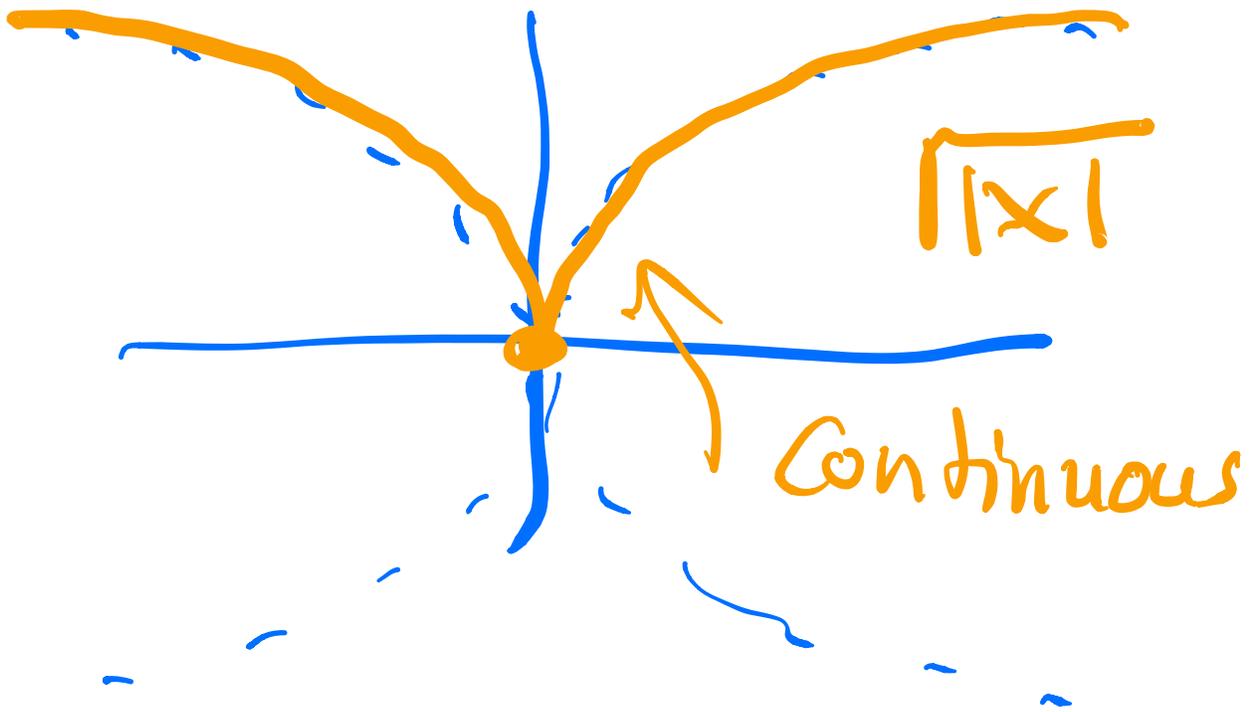
c) $\frac{1}{\log(x)}$ (N)
 $x = \text{logarithmic sing.}$

d) $\sqrt{|x|}$ (C)

e) $\log|e^x + 1 + \sin x|$ (C)
 $1 + \sin x \geq 0$
 $e^x > 0$

f) $\frac{1}{\log(|x|+2)}$
 $|x|+2 > 0 \quad x \neq 0$





$|x|$ is continuous
at $x=0$
Surprise!

