a) $\ln(-2) = -\ln 2$ NON

↑ impossible

b) $e^{\ln(-2)} = -2 \Rightarrow -2 = -2$

impossible $\Rightarrow$ NON

c) $\ln(e^{-2}) = -2$ $-2 = -2$ oui

$\ln x = -\ln 2$

Ensemble de déf : $x > 0$

$\ln x + \ln 2 = 0$

$\ln(2x) = 0 \Rightarrow 2x = 1 \Rightarrow x = \frac{1}{2}$ NON

$e^{\ln x} = -2$

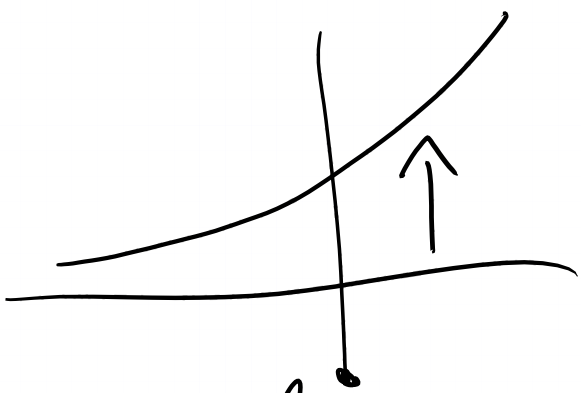
Ensemble de déf : $x > 0$ $\quad D =]a ; +\infty[$

$x = -2$ → à rejetée car $-2 < 0$

$-2 \notin D$

$\Rightarrow S = \phi$

$e^{\cdots} = -2$



e^x $\quad e^{x^2}$ $\quad e^{\sqrt{x}}$ $\quad e^{\ln x}$