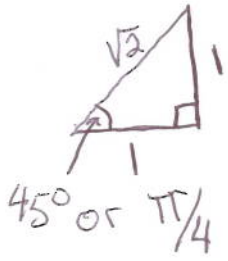


① Find the exact solution of  $\tan(\arccos(\frac{1}{\sqrt{2}}))$ .



$$\tan(\arccos(\frac{1}{\sqrt{2}})) = \tan(\frac{\pi}{4}) = 1$$

② Solve the following expression for  $x$

$$\ln(\ln(3+x)) = 8$$

$$e^{\ln(\ln(3+x))} = e^8$$

$$\ln(3+x) = e^8$$

$$e^{\ln(3+x)} = e^{e^8}$$

$$3+x = e^{e^8}$$

$$x = e^{e^8} - 3$$