torsdag 22 december 2022 10:58

a) 
$$\frac{7}{4}$$

$$\int \frac{1}{1+\sin x \log x} dx = \int \frac{2}{2+\sin 2x} dx = \begin{bmatrix} +z - 2x & x = \frac{1}{2} \\ d+= 2 dx \end{bmatrix} = \int \frac{1}{2+\sin t} dt = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ 2+\sin t & 2x = 0 \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \\ d+= 2 & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x & x = \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 1 & 2x$$

$$= \left[\frac{2}{\sqrt{37}} \operatorname{arten} \frac{2 L}{\sqrt{7}}\right]_{1}^{3/2} = \frac{2}{\sqrt{37}} \operatorname{arctan} \sqrt{37} - \frac{2}{\sqrt{7}} \operatorname{arctan} \sqrt{\sqrt{37}} = \frac{2}{\sqrt{3}} \left(\frac{\pi}{3} - \frac{\pi}{6}\right) = \frac{\pi}{3^{3/2}}$$

$$\int \frac{\cos x}{1 + \cos x} \, dx = \int \frac{1 - t^2}{1 + t^2} \, dt = \int \frac{1 - t^2}{1 + t$$

$$= \int \frac{1-t^2}{1+t^2} dt = \int \frac{1}{1+t^2} - \frac{t^2}{1+t^2} dt = \operatorname{crcten} t - \int 1 - \frac{1}{1+t^2} dt = \operatorname{crcten} t - t + \operatorname{c} = 2\operatorname{crcten} t - t + c = 2\operatorname{crcten} t$$

$$= X - + cn \frac{x}{2} + 7$$

$$\int \frac{\cos x}{1 - \cos x} dx = \int x - + en \frac{x}{2} \int \frac{\pi}{2} - 1$$