Neurčitý integrál - několik lehkých příkladů

1. $\int \left(\frac{\sin x . \cos x}{1+(\sin x)^4} + \frac{\ln x}{x\left(\ln^2 x - 2\ln x + 2\right)\left(\ln x - 1\right)} \right) dx$

2. $\int \left(\frac{\cos x}{\sqrt{3-\sin x}} + \frac{4-\sqrt{x}}{x\,(x+2\sqrt{x}+2)} \right) dx$

3. $\int \left(\frac{\ln x}{x \cdot \sqrt{1-\ln^2 x}} + \frac{3e^x + 5}{e^{2x} + 4e^x + 5} \right) dx$

4. $\int \left(\frac{x}{1+x^4} + \frac{7\sqrt{x}-20}{2x\,(x-6\sqrt{x}+10)} \right) dx$

5. $\int \left(\frac{\ln x}{1+\ln^4 x} \cdot \frac{1}{x} + \frac{7e^x - 20}{e^{2x} - 6e^x + 10} \right) dx$

6. $\int \left(\frac{1}{x^2} \ln\left(1 - \frac{1}{x}\right) + \frac{2e^{2x} - 5}{e^{2x} + 4e^x + 5} \right) dx$

7. $\int \left(\frac{1}{x^3}\, arctg\left(\frac{1}{x^2}\right) + \frac{\sqrt{x}-1}{x\left(x - 2\sqrt{x} + 2\right)} \right) dx$

8. $\int \left(\frac{\cos x - 1}{(\cos x)^2 - 2\cos x + 2} \sin x + \frac{1}{2x\sqrt{\ln x}} \right) dx$