Први тест из анализе 1Б

група 1О2Б

[0.1] 1. $\int \sqrt{5-6x}\,dx$

[0.2] 2. $\int 5^x e^x\,dx$

[0.3] 3. $\int \dfrac{\cos x}{\sin^4 x}\,dx$

[0.4] 4. $\int \dfrac{x^2+5x+7}{x+3}\,dx$

[0.5] 5. $\int \dfrac{1}{a-x^2}\,dx,\ a>0$

[0.6] 6. $\int \dfrac{\sqrt[3]{1-\ln x}}{x}\,dx$

[0.7] 7. $\int x\sin x\cos x\,dx$

[0.8] 8. $\int \dfrac{\sqrt{x+1}-1}{(x+1)^2-\sqrt{x+1}}\,dx$

[0.9] 9. $\int \dfrac{1}{(x+1)^2\sqrt{x^2+2x+2}}\,dx$

[1] 10. $\int \left(\dfrac{\ln x}{x}\right)^2\,dx$