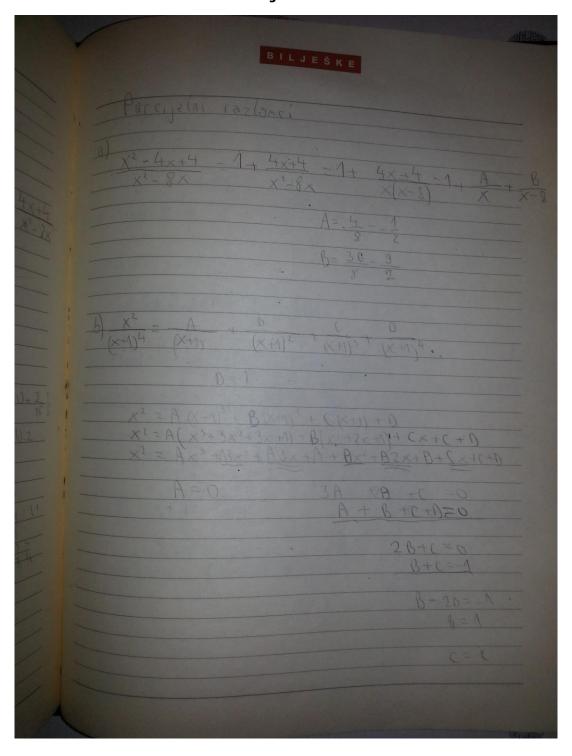
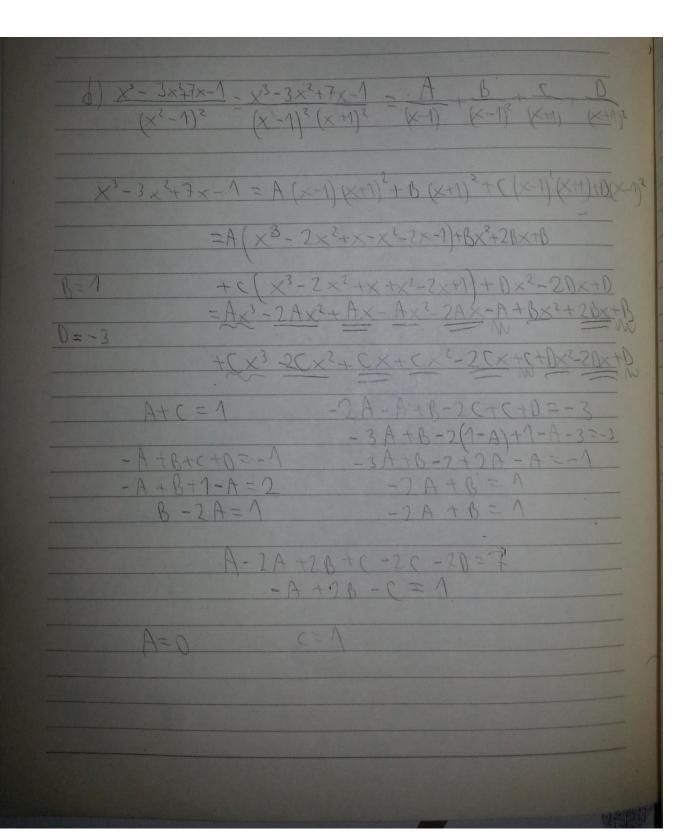
Ako nekom ne idu parcijalni razlomci tu sam stavio par zadataka da to malo izvježbate.





BILJEŠKE

Izračunati sljedeće integrale:

$$1. \int \frac{\sqrt{x}+1}{\sqrt[3]{x}} dx,$$

3.
$$\int_0^{\sqrt{3}} x \sqrt{x^2 + 1} dx$$
,

5.
$$\int_0^1 \frac{dx}{x^2 + x + 1}$$
,

7.
$$\int \frac{dx}{3e^x + e^{-x} + 2}$$
,

9.
$$\int_0^1 \arcsin x \, dx$$
,

11.
$$\int \sin(\sqrt{x})dx$$
,

13.
$$\int_0^{\frac{\pi}{2}} e^{\sin x} \sin(2x) dx$$
,

$$15. \int \frac{x \cos x}{\sin^2 x} \, dx.$$

2.
$$\int_0^1 \frac{x \, dx}{\sqrt{x+1}}$$
,

$$4. \int_0^{\frac{\pi}{4}} \sin^3 x \cos x dx,$$

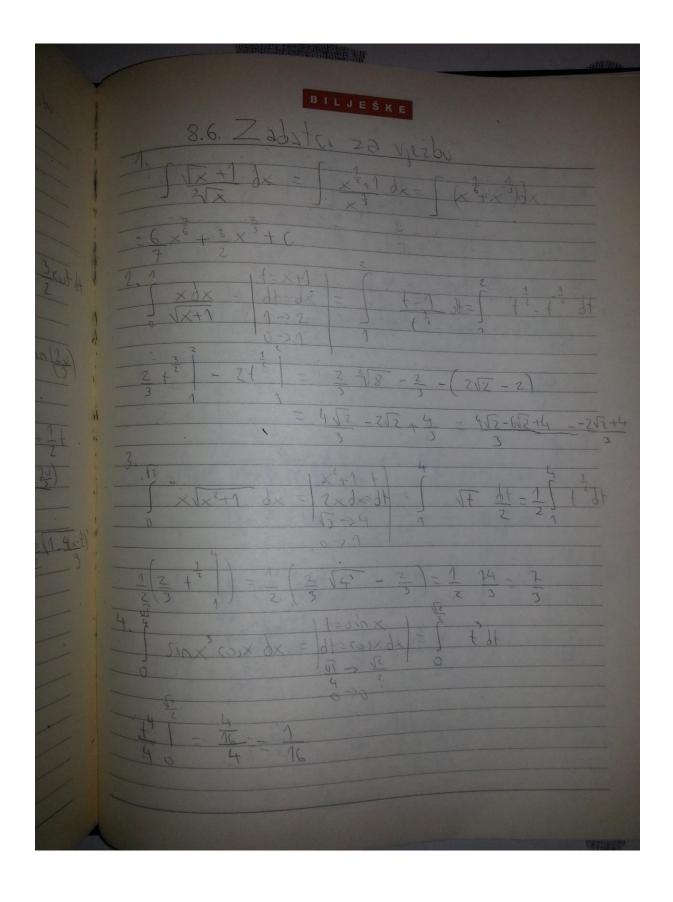
$$6. \int \frac{x \, dx}{\sqrt{2 + x - x^2}},$$

8.
$$\int \operatorname{tg}(3x)dx$$
,

10.
$$\int_0^1 x \arctan \operatorname{tg} x \, dx$$

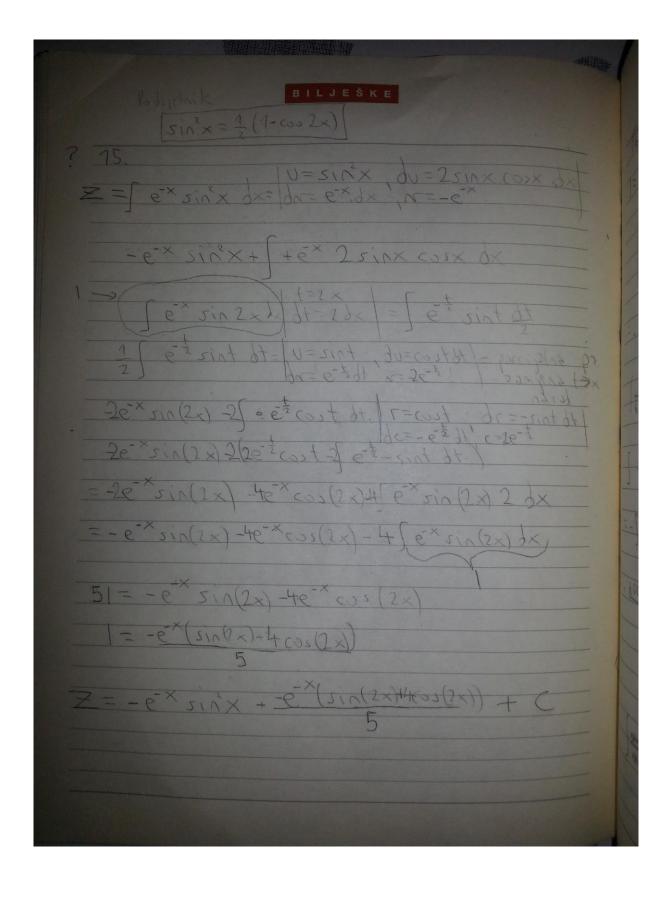
$$12. \int_0^1 \sqrt{x} e^{-\sqrt{x}} dx,$$

$$14. \int e^{-x} \sin x \, dx,$$



BILJEŠKE 6, Jaz-x2 = arcsin(x)+C 2x-1) - 1 /9 - 4(x-1) 1 205in (2x-1) - 1 13-4x+4x-1 BILJEŠKE du=1xdx e2+1 BILJEŠKE

BILJEŠKE 1= -ex (sinx+cosx) +C



Tu sam krivo dobio, probajte ga rješavati na ovaj način što je pisano drugim rukopisom (to je profesorica pisala © pa bi trebalo ispasti dobro)

