



COGNOME _____ NOME _____

1. $\int \left(\frac{1}{\sqrt[3]{x^2}} - \frac{5}{x^3} + \sqrt[5]{x} \right) dx$ _____ / 3 2. $\int \frac{2 + x^2 - x^4}{x^2} dx$ _____ / 3

3. $\int \frac{\sqrt{x} + 4}{x} dx$ _____ / 3 4. $\int \frac{x^3 + 6x^2 + 12x + 8}{2 + x} dx$ _____ / 3

5. $\int \frac{2 - \sin^2 x}{\cos^2 x} dx$ _____ / 3 6. $\int (tg^2 x - ctg^2 x) dx$ _____ / 3

7. $\int e^{x+2} dx$ _____ / 3 8. $\int \frac{\arctg x}{1 + x^2} dx$ _____ / 3

9. $\int \frac{2x^3 + 1}{\sqrt{x^4 + 2x}} dx$ _____ / 3 10. $\int \frac{2x - 1}{4x^2 + 4} dx$ _____ / 3

11. $\int \frac{e^x + 1}{e^x + x} dx$ _____ / 3 12. $\int \frac{1}{\sqrt{x}} 2^{\sqrt{x}} dx$ _____ / 3

13. $\int \frac{1}{x(1 + \ln^2 x)} dx$ _____ / 3 14. $\int \frac{2x^3 + 4x + 1}{2x + 3} dx$ _____ / 3

15. $\int \frac{x + 4}{4x^2 + 12x + 9} dx$ _____ / 3 16. $\int \frac{2x}{x^2 + 2x + 2} dx$ _____ / 3

17. $\int \frac{dx}{e^x + e^{-x}}$ _____ / 3 18. $\int \frac{x^3}{e^{x^2}} dx$ _____ / 3

1	2	3	4	5	6	7	8	9	10
x=0	0<x<9	9≤x<15	15≤x<21	21≤x<28,8	28,8≤x<33	33≤x<39	39≤x<45	45≤x<54	x=54

BUON LAVORO!!!

