



COGNOME \_\_\_\_\_ NOME \_\_\_\_\_

1.  $\int \left( \frac{2}{x^3} + \frac{x^3 - 2x}{4} \right) dx$  \_\_\_\_\_ / 3      2.  $\int \left( \frac{1}{3} \sqrt[3]{x^2} - \frac{7}{6} \sqrt[6]{x} \right) dx$  \_\_\_\_\_ / 3

3.  $\int \left( \frac{3}{x} + 5 \cos x - 3 \operatorname{sen} x \right) dx$  \_\_\_\_\_ / 3      4.  $\int \frac{e^{\ln x}}{x} dx$  \_\_\_\_\_ / 3

5.  $\int \frac{x^3 - 3x^2 + 2x}{x - 2} dx$  \_\_\_\_\_ / 3      6.  $\int \frac{6x^3 - 7x^2 + 4x + 1}{2x - 1} dx$  \_\_\_\_\_ / 3

7.  $\int \frac{6x^2 + 6}{x^3 + 3x - 2} dx$  \_\_\_\_\_ / 3      8.  $\int \frac{1}{x \ln x} dx$  \_\_\_\_\_ / 3

9.  $\int \frac{e^x}{1 + e^{2x}} dx$  \_\_\_\_\_ / 3      10.  $\int \frac{x}{e^x} dx$  \_\_\_\_\_ / 3

11.  $\int \frac{x - 5}{x^2 - 12x + 36} dx$  \_\_\_\_\_ / 3      12.  $\int \ln(2x - 3) dx$  \_\_\_\_\_ / 3

13.  $\int \frac{x}{\sqrt{4x^2 + 1}} dx$  \_\_\_\_\_ / 3      14.  $\int \frac{\cos x + 3}{3x + \operatorname{sen} x} dx$  \_\_\_\_\_ / 3

15.  $\int \frac{x^2}{1 + x^6} dx$  \_\_\_\_\_ / 3      16.  $\int \frac{5}{\sqrt{16 - 25x^2}} dx$  \_\_\_\_\_ / 3

17.  $\int \frac{x + 5}{x^3 - x^2 - x + 1} dx$  \_\_\_\_\_ / 3      18.  $\int \frac{1}{x - \sqrt{x}} dx$  \_\_\_\_\_ / 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	<b>28,8≤x&lt;33</b>	33≤x<39	39≤x<45	45≤x<54	x=54

**BUON LAVORO!!!**

