

GRUPPO A:

1. $\int \frac{x^2 + 1}{(x-1)(x+1)} dx$

2. $\int \frac{-\cos x}{\sin x} dx$

3. $\int \cos x dx$

4. $\int \frac{1}{\tan x} dx$

5. $\int 3x^2 \sin x dx$

GRUPPO B:

1. $\int \frac{1 + \operatorname{tg}^2 x}{\operatorname{tg} x} dx$

2. $\int \frac{5}{x-2} dx$

3. $\int \frac{x+4}{x^2+1} dx$

4. $\int \frac{\arctan x + 2x}{\arctan x^2 + 3 \arctan x} dx$

5. $\int \cos x e^{4x} dx$

GRUPPO C:

1. $\int \frac{1}{x^2 + 3} dx$

2. $\int (x^4 - 3x^2 + 2x - 1) dx$

3. $\int \cos x \sin x dx$

4. $\int \frac{1}{\sin x} (-\cos x) dx$

5. $\int \sin^2 x \cdot 2 \sin x \cos x dx$

GRUPPO D:

1. $\int \frac{e^{3x} + e^{2x} + 5}{e^{2x} + e^x} dx$

2. $\int (x^4 + 1) dx$

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

4. $\int 3x^2 e^x dx$

5. $\int \frac{e^x + 2x}{e^x + x^2 + 3} dx$

GRUPPO E:

1. $\int (x^6 + 3x^2 - 2\cos x + e^x) dx$

2. $\int \frac{\operatorname{tg}^4 x + \operatorname{tg} x - 2}{\operatorname{tg}^3 x + 6} dx$

3. $\int \frac{1}{[1 + (x+1)^2] \arctan(x-1)} dx$

4. $\int (2x^2 - 5) \sin x dx$

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

GRUPPO F:

1. $\int \sin^3 x \cos x dx$

2. $\int (x^3 - 2x^2 + \cos x) dx$

3. $\int (x^2 + 1)e^x dx$

4. $\int \frac{x+3}{x^2-1} dx$

5. $\int \frac{e^{7x} - 7}{e^{10x}} dx$

GRUPPO G:

1. $\int (\arctan^5 x \cdot (1+x^2)^{-1} + \frac{7}{59}) dx$

2. $\int \frac{2x^2 + 5x}{x^3 - \frac{14}{5}x^2 + \frac{7}{3}x} dx$

3. $\int e^x \cos x dx$

4. $\int \frac{\sqrt[4]{x^3} - 2x^3}{\sqrt[3]{x}} dx$

5. $\int \frac{1}{x(1 + \log^2 x) \arctan(\log x)} dx$

GRUPPO H:

1. $\int x^3 \log \frac{1}{x-3} dx$

2. $\int \sin^4 x \cos x dx$

3. $\int \frac{4}{1+x^2} dx$

4. $\int 3 \log^6 x dx$

5. $\int \frac{2x+1}{x^2 + 3x - 1} dx$

GRUPPO I:

1. $\int (x^4 + x^3 + 2x + 2)dx$

2. $\int \frac{1 + \operatorname{tg}^2 x}{\operatorname{tg} x} dx$

3. $\int (3x + 1)^2 \log x dx$

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

5. $\int \frac{7x - 10}{4x^2 - 5x + 3} dx$