TIA 1. Tarea: Taller Antiderivas

Ins icios paso a paso de la tarea-taller Antiderivadas que cor

Gr

1. $\int \sqrt{x^2 - 2x^4}\ dx$
2. $\int t^3 e^t dt$
3. $\int sen^4 2\theta\ d\theta$
4. $\int \frac{1}{u^2\sqrt{u^2-8}} du$
5. $\int \frac{x+4}{x^3+4x} dx$

Grupo 2

1. $\int (x^2 - 2x + 1)^{\ 3} dx$
2. $\int x^3 senx\ dx$
3. $\int sen^6\theta\ d\theta$
4. $\int \frac{x}{\sqrt{x^2-9}} dx$
5. $\int \frac{1}{16x^4-1} dx$

Grupo 3

1. $\int \frac{t}{\sqrt{t+3}} dt$
2. $\int x^3 \cos x \ dx$
3. $\int \cos^6 \theta \ d\theta$
4. $\int \frac{1}{x^2\sqrt{4-x^2}} dx$
5. $\int \frac{x}{x^3+2x^2+x+2} dx$

Grupo 4

1. $\int \frac{xdx}{\sqrt{4-2x}}$
2. $\int (t-1)^3 e^{t-1} dt$
3. $\int sen^6 \frac{x}{2} \ dx$
4. $\int \frac{\sqrt{x^2-4}}{x} dx$
5. $\int \frac{x^2+3x+3}{x^3+x^2+x+1} dx$

Grupo 5

1. $\int \frac{3x}{(x+5)^4} dx$
2. $\int x^3 e^{-x/3} dx$
3. $\int \cos^6 3x \ dx$
4. $\int \frac{\sqrt{x^2-9}}{x} dx$

5. $\int \frac{2x^3-4x-8}{(x^2-x)(x^2+4)}\,dx$

Grupo 6

1. $\int \frac{x^3}{(x^2+4)^{3/2}}\,dx$
2. $\int ln|x+3|\;\;dx$
3. $\int tan^4 x\;\;dx$
4. $\int \frac{1}{x\sqrt{x^2+4}}\;\;dx$
5. $\int \frac{10}{(x-1)(x^2+9)}\,dx$

Grupo 7

1. $\int \frac{x^3}{\sqrt{1-2x^2}}\,dx$
2. $\int ln|2x+1|\;\;dx$
3. $\int csc^6 x\;\;dx$
4. $\int \frac{\sqrt{1-x^2}}{x^2}\;\;dx$
5. $\int \frac{x^2-x+6}{x^3+3x}\,dx$

Grupo 8

1. $\int x^7 \sqrt[3]{x^4+1}\, dx$
2. $\int (x^2 - 2x + 3x)\ \ ln|x|\ \ dx$
3. $\int sec^5 x\ \ dx$
4. $\int \frac{\sqrt{9-x^2}}{x^2} dx$
5. $\int \frac{x^2-x-5}{x^3+x^2-2} dx$

Grupo 9

1. $\int \frac{x^3}{(x^2+4)^{3/2}} dx$
2. $\int t^3 e^t dt$
3. $\int cos^6 3x\ \ dx$
4. $\int \frac{1}{x\sqrt{x^2+4}}\ \ dx$
5. $\int \frac{1}{16x^4-1} dx$