

UDS

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Grado: 6<sup>to</sup>

Grupo: BRH

Materia: Matematica aplicada

# Integrals

$$\int 9x^2 + 6x + 11 dx$$

$$\int \frac{9x^3}{3} + \frac{6x^2}{2} + 11x dx$$

$$\int 3x^3 + 3x^2 + 11x + c dx$$

$$\int 15x^4 - 12x^3 + 6x^2 + 4x dx$$

$$\int \frac{15x^5}{5} - \frac{12x^4}{4} + \frac{6x^3}{3} + \frac{4x^2}{2} + C dx$$

$$\int 3x^5 - 3x^4 + 2x^3 + 2x^2 + C dx$$

$$\int (x+5)^2 dx$$

$$\int x^2 + 10x + 25 dx$$

$$\int \frac{x^3}{3} + \frac{10^2}{2} + 25x + C dx$$

$$\int \frac{x^3}{3} + 5^2 + 25x + C dx$$

# Integrates

$$\int (2x+10)^2 dx$$

$$\int 8x^3 + 120x^2 + 600x + 1000 dx$$

$$\int \frac{8x^4}{4} + \frac{120x^3}{3} + \frac{600x^2}{2} + 1000x dx$$

$$\int 2x^4 + 60x^3 + 300x^2 + 1000x + C$$

$$\int 2x(x^2+2)^2 dx$$

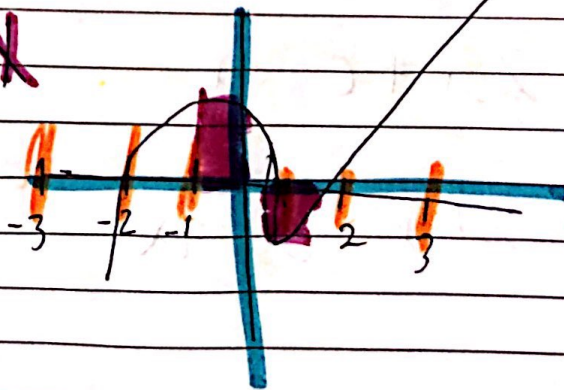
$$\int 2x(x^4+4x^2+4)$$

$$\int 2x^5 + 6x^3 + 8x dx$$

$$\int \frac{2x^6}{6} + \frac{6x^4}{4} + \frac{8x^2}{2} + C dx$$

$$\int \frac{x^6}{3} + \frac{3x^4}{2} + 4x^2 + C dx$$

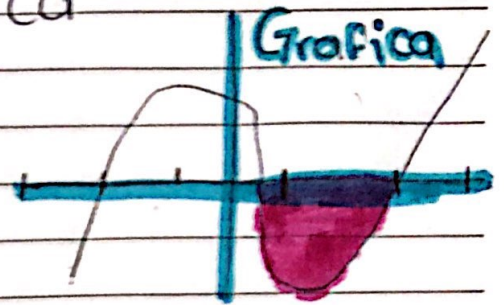
$$\int (x+5)^2 dx$$



# Plataforma

Integral definida grafica

$$\int_0^2 9x^2 + 6x - 11 \, dx$$



$$\int_0^2 \frac{9x^3}{3} + \frac{6x^2}{2} - \frac{11}{x} + c \, dx$$

$$\int_0^2 3x^3 + 3x^2 - 11/x + c \, dx$$

Derivada ↓  
 $f(x) = x^2$  (2° grado)  
 14° grado



Integral ↑  
 $4x$  (4° grado)  
 $x^5$  (5° grado)

Integral definida grafica  
 3er grado → 4o grado

$$\int_0^{\infty} 2x(x^2+2)^2 \, dx$$

