UDH

M. Universidad

Nombre de Docente
Jorge Sebastian Dominguez Torres

Nombre del Trabajo
Integrales

Nombre del Alumno
Jair Rodas Garcia

Integrales

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\int 2x^4 + 66x^3 + 300x^2 + 1000x + C$$

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

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

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

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

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

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

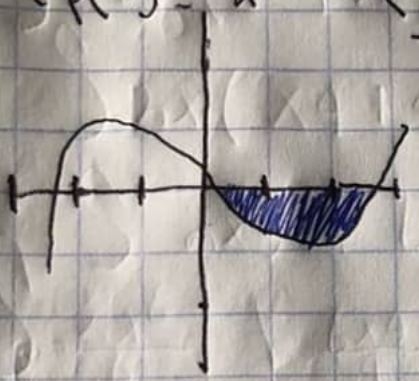
Integral Definida Grafica

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

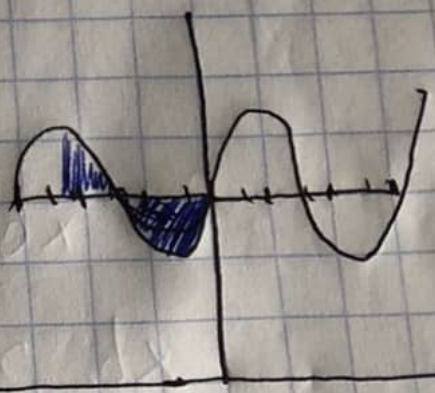
$$\int_0^2 \frac{9x^3}{3} + \frac{6x^2}{2} - \frac{11}{x} + c \, dx$$

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

Derivada
$f(x) = x^2$ (2^o grado)
7^o grado



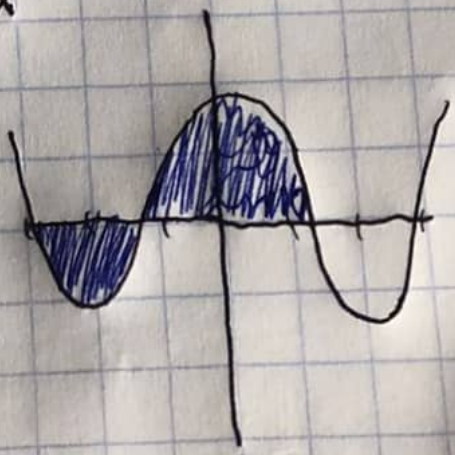
Integral
x^4 (4^o grados)
$5x$ (5^o grado)



3er grado - 740 grados

$$\int_0 2x(x^2+2)^2 \, dx$$

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



$$S = \int_{-1}^{1} (x+5)^3 \, dx$$