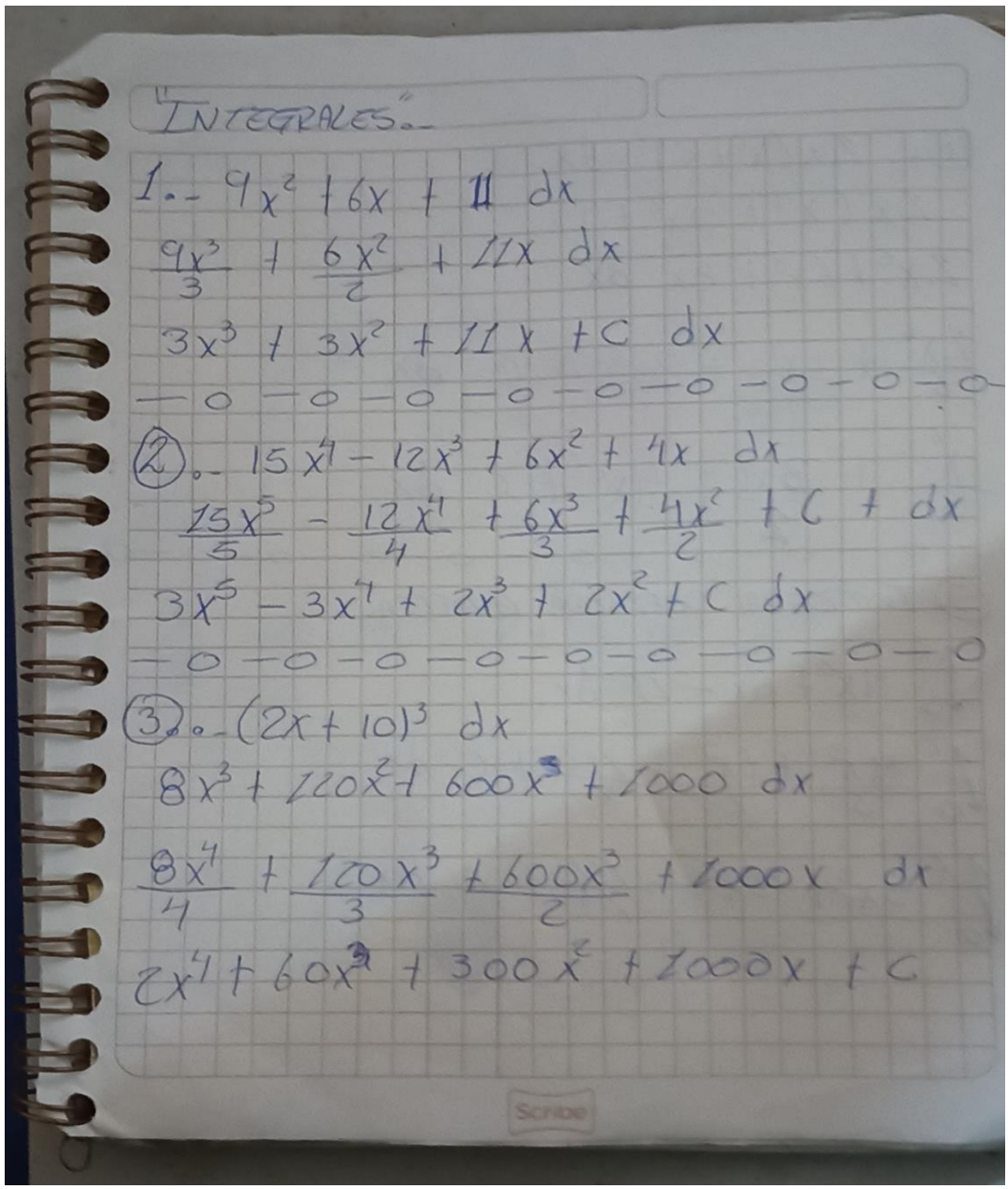
Alumno:_ Carlos Daniel Jiménez Velázquez

Profesor:_ Jorge Sebastián Domínguez torres

Materia:_ matemáticas aplicadas.

Grupo:_ A 21.



④.- $2x(x^2+2)^2\,dx$

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

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

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

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

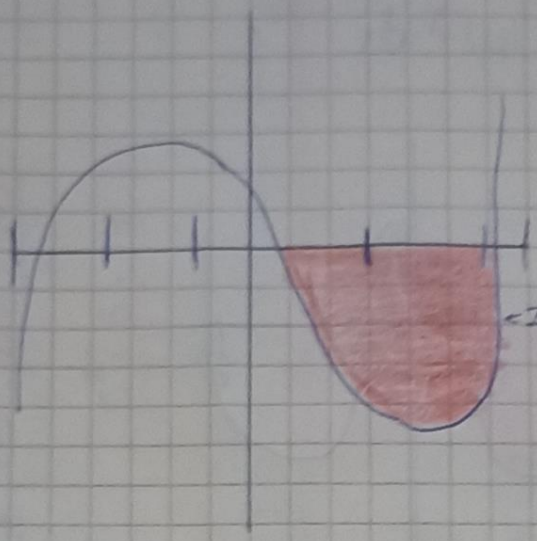
⑤ INTEGRAL DEFINIDA GRAFICA.

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

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

$\int_0^2 3x^3+3x^2-\frac{11}{x}+C\,dx$

1



2

$$\int_{-3}^{0} 13x^4 - 12x^3 + 6x^2 + 4x \, dx$$

(3) $\int_{-2}^{1} (2x+10)^3 \, dx$