

Universidad Central del Ecuador

Filosofía Letras y Ciencias de la Educación

Pedagogía de las Ciencias Experimentales, Informática

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Tercero "A"

Integrales

$$1) \int 1 dx = x + C //$$

$$2) \int 3 dx = 3 \int dx \\ = 3x + C //$$

$$3) \int (-3) dx = -3 \int dx \\ = -3x + C //$$

$$4) \int \frac{1}{2} dx = \frac{1}{2} \int dx \\ = \frac{1}{2} x + C //$$

$$5) \int 2.75 dx = 2.75 \int dx \\ = 2.75 x + C //$$

Matemática III

31/10/25

Comprobación

$$\bullet f(x) = x + C \\ = \frac{d}{dx} x + \frac{d}{dx} C \\ = 1 + 0 = 1 //$$

$$\bullet f(x) = 3x + C \\ = \frac{d}{dx} 3x + \frac{d}{dx} C \\ = 3 + 0 = 3 //$$

$$\bullet f(x) = -3x + C \\ = \frac{d}{dx} -3x + \frac{d}{dx} C \\ = -3 + 0 = -3 //$$

$$\bullet f(x) = \frac{1}{2} x + C \\ = \frac{d}{dx} \frac{1}{2} x + \frac{d}{dx} C \\ = \frac{1}{2} + 0 = \frac{1}{2} //$$

$$\bullet f(x) = 2.75 x + C \\ = \frac{d}{dx} 2.75 x + \frac{d}{dx} C \\ = 2.75 + 0 \\ = 2.75 //$$