

Universidad Central del Ecuador

Filosofía Letras y Ciencias de la Educación

Pedagogía de las Ciencias Experimentales, Informática.

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Tercero "A"

## Integrales

$$1) \int 1 dx = \boxed{x + C} //$$

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

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

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

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

Matemáticas III

31/10/25

## Comprobación

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

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

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

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

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