



## COLEGIO SEMINARIO DIOCESANO DE DUITAMA

Informe de Evidencias de Estudio - Cálculo 0221

Juan jose cely villamizar

1101

10/06/2021

**Nombres y Apellidos**

**Curso**

**Fecha**

### Derivative Calculations:

In Exercises 1–12, find the first and second derivatives.

**(E.8.)**

$$s = -2t^{-1} + \frac{4}{t^2}$$

**Solución:**

$$s = -2t^{-1} + \frac{4}{t^2}$$

$$s = -2t^{-1} + 4t^{-2}$$

$$s' = 2t^{-2} - 8t^{-3}$$

$$s'' = 4t^{-3} + 24t^{-4}$$

$$s'' = \frac{-4}{t^3} + \frac{24}{t^4}$$

### REFERENCIAS:

Hass, J., Heil, C., Weir, M.D. (Eds.), 2018. Thomas' calculus, Fourteenth edition. ed. Pearson, Boston.

### URL DE LA FUENTE:

[https://docs.google.com/document/d/1rHVJ9VLF5JAvey29kfyT30jwZA\\_3l-vw0kNRkaq58Ko/edit?usp=sharing](https://docs.google.com/document/d/1rHVJ9VLF5JAvey29kfyT30jwZA_3l-vw0kNRkaq58Ko/edit?usp=sharing)