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Nombres y Apellidos	**Curso**	**Fecha**

$$v = \frac{1+x-4\sqrt{x}}{x}$$

$$v = \frac{1 + x - 4\sqrt{x}}{x}$$

$$v' = \frac{(x)\left(1 + x - 4x^{1/2}\right)' - \left(1 + x - 4x^{1/2}\right)(x)'}{x^2}$$

$$v' = \frac{x\left(1 - 2x^{1/2}\right) - \left(1 + x - 4x^{1/2}\right)(1)}{x^2}$$

$$v' = \frac{x - 2x^{1/2} - 1 - x + 4x^{1/2}}{x^2}$$

$$v' = \frac{2x^{1/2} - 1}{x^2}$$

$$v' = \frac{2\sqrt{x} - 1}{x^2}$$

Link:

https://docs.google.com/document/d/1efxqZT_FLyqw1XKK7wHGtboMsq5VFA4RAxvkhp_GXM
w/edit?usp=sharing