$$X \sim N(\mu)^{2} = \int_{x}^{2} (x) = \frac{1}{|2\pi s^{2}|} e^{-\frac{(x+\mu)^{2}}{2s^{2}}}$$

$$CVICENIOS:$$

$$L = log f(x) = -\frac{1}{2} log 2\pi s^{2} - \frac{(x+\mu)^{2}}{2s^{2}}$$

$$\frac{3L}{3\mu^{2}} = \frac{x-\mu}{s^{2}}$$

$$\frac{3L}{3\mu^{2}} = -\frac{1}{s^{2}} \frac{3}{2s^{2}} + \frac{x-\mu}{(s^{2})^{2}}$$

$$\frac{3L}{3\mu^{2}} = -\frac{1}{s^{2}} \frac{1}{2s^{2}} + \frac{x-\mu}{(s^{2})^{2}}$$

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$$\frac{3L}{3\mu^{2}} = -\frac{x-\mu}{(s^{2})^{2}} + \frac{x-\mu}{(s^{2})^{2}} + \frac{x-\mu}{(s^{2})^{2}}$$

SLIDE 36: TRANSFORMACE HUSTOTY (VECTOROUS)