## Resolución De Simulacro

$$\int tun^{-1} (x^{2}) \times dx = \frac{1}{2} \int tun^{-1} (u) du = \frac{1}{2} \left\{ tun^{-1$$

$$\frac{x^{2}}{\sqrt{4 \times 25x^{2}}} dx = \int \frac{q \sin^{2} \theta}{25} - \frac{3}{5} \cos \theta = \int \frac{q \sin^{2} \theta}{3 \cdot 25 \cos \theta} \cdot \frac{3 \cot \theta}{5} d\theta = \frac{1}{\sqrt{25}} \int \frac{1}{\sqrt{25}} \int$$

$$\int \frac{1}{\sqrt{(t-2)^2+q^2}} dt = \int \frac{-3 \csc^2 \theta}{3 \csc \theta} d\theta = -\int \frac{\csc \theta}{3 \csc \theta} d\theta = -\int \csc \theta d\theta = + \ln|\csc \theta + \cot \theta| + C$$

$$= \ln \left| \frac{\sqrt{(t-2)^2+q^2}}{3} + \frac{t-2}{3} \right| + C$$

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$$= \cos^2 \theta = \frac{1}{3} - \theta dt$$

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$$\frac{x e^{x}}{(x+1)^{2}} dx \qquad ||PFT| \qquad$$

$$\left(\begin{array}{c}
I_{h}\left(\frac{1}{I_{h}\left(\frac{1}{I_{h}\left(\frac{1}{I_{h}}\right)}\right)}\right) dx \\
\frac{1}{I_{h}\left(\frac{1}{I_{h}\left(\frac{1}{I_{h}}\right)}\right)}
\right)$$

$$x = f(a) + f'(a) (x - x_1)$$

$$y = s'(a)(x-a) + f(a)$$

$$f(x) = \int_{\sin(x)}^{2e^{x}} \sqrt{t^{2}+2t+4} dt \quad \text{en } x = 0$$

$$f(x) = ((2e^{x}-2)^{2} + 2(2e^{x}-2) + 4)^{\frac{1}{2}} - (\sin^{2}(x) + 2\sin x + 4)^{\frac{1}{2}}$$

$$f(x) = \frac{1}{2}((2e^{x}-2)^{2} + 3(2e^{x}-2) + 4)^{\frac{1}{2}} - (\sin^{2}(x) + 2\sin x + 4)^{\frac{1}{2}}$$

$$\int_{\alpha}^{x^{2}} \frac{x^{2} - \alpha^{2} + 1}{\alpha} dx = \left(x^{3} - x^{4} + 16\right) \cdot \left(3x^{4} - 4x^{3}\right)$$

$$\int_{x^{L}}^{\alpha} a \, |g^{\alpha}| = - \int_{\varphi}^{x^{2}} a \, |g^{\alpha}|$$