

$$f(x) = \sin^{1}(7x^{5})$$

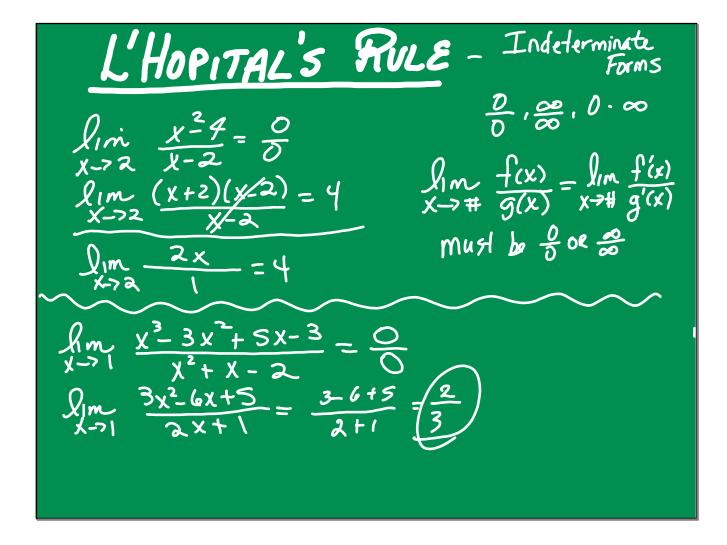
$$f'(x) = \frac{1}{\sqrt{1 - (7x^{5})^{2}}} \cdot \frac{35x^{4}}{\sqrt{1 - 49x^{10}}}$$

$$f'(x) = \left[\csc^{1}(x^{4})\right] \cdot \left[\tan^{-1}(\ln x^{2})\right]$$

$$f'(x) = \left[\csc^{1}(x^{4})\right] \cdot \left[\frac{1}{1 + (\ln x^{2})^{2}} \cdot \frac{1}{x^{2}} \cdot 2x\right] + \left[\tan^{1}(\ln x^{2})\right]$$

$$= \csc^{-1}(x^{4})\left(\frac{2}{x}\right)\left(\frac{1}{1 + (\ln x^{2})^{2}}\right) - \frac{4}{1 + \tan^{1}(\ln x^{2})}$$

$$\sqrt{x^{8} - 1}$$



$$\int_{1}^{1} \frac{e^{x}}{x^{-70}} \frac{e^{x}}{\cos(2x)^{-1}} = \frac{1-1-0}{1-1} = 0$$

$$\int_{1}^{1} \frac{e^{x}}{x^{-70}} \frac{e^{x}-1}{-\frac{1}{\sin(2x)^{+2}}} = \frac{1-1}{0\cdot 2} = 0$$

$$\int_{-2}^{1} \frac{e^{x}}{\sin(2x)}$$

$$\int_{1}^{1} \frac{e^{x}}{x^{-70}} \frac{e^{x}}{-\frac{1}{2}(\cos(2x)^{-2})} = \frac{1}{2\cdot 1\cdot 2} = \frac{1}{2\cdot 1}$$

$$\begin{array}{ll}
\int_{1m} \frac{1-\ln x}{e^{1/x}} = \frac{1+\infty}{e^{1/x}} = \frac{1}{e^{1/x}} = 0 \\
\int_{1m} \frac{1-\ln x}{e^{1/x}} = \frac{1+\infty}{e^{1/x}} \\
\int_{1m} \frac{1}{e^{1/x}} = \frac{1}{e^{1/x}} \\
\int_{1m} \frac{1}{e^{1/x}} \\$$