Find an antideriv in (Integrate)

1.
$$f'(x) = 25x^4 + 8(\sqrt[3]{x}) - \frac{9}{x^4} + 3$$

$$\int f'(x) dx = \int (25x^4 + 8(\sqrt[3]{3} - 9x^4 + 3) dx$$

$$f(x) = \frac{25x}{5} + \frac{8x}{3} - \frac{9x}{3} + \frac{3x}{3} + \frac{3x}{4} + \frac{3}{3}$$

$$f(x) = \frac{5x}{5} + \frac{3}{4}(8x^{4/3}) + \frac{3}{3}x^{-3} + \frac{3x}{4} + \frac{3}{4}x + \frac{$$

2.
$$g'(x) = \frac{\cos x}{2\sin^2 x}$$

$$\int g'(x) dx = \int \frac{\cos x}{2\sin x} \left(\frac{1}{\sin x}\right) \int dx$$

$$g(x) = \int \frac{1}{2} \cot x \csc x dx$$

$$= \frac{1}{2} \int \csc x \cot x dx$$

$$= \frac{1}{2} \left(-\csc x + c\right)$$

$$= \frac{-\csc x}{2} + c \#$$

3.
$$y' = \frac{x^3 + 10(\sqrt{x})}{x^4}$$

$$\frac{1}{2} - \frac{8}{2}$$

$$y' = \int (x^{-1} + (0x^{-\frac{3}{2}})) dx$$

$$= |n| \times | + (0x^{-\frac{5}{2}})$$

$$= |n| \times | -\frac{2}{10} \times | + (0x^{-\frac{5}{2}})$$

$$= |n| \times | -\frac{2}{10} \times | + (0x^{-\frac{5}{2}})$$

$$= |n| \times | -\frac{2}{10} \times | + (0x^{-\frac{5}{2}})$$

$$= |n| \times | -\frac{2}{10} \times | + (0x^{-\frac{5}{2}})$$