$$\sqrt{X} = \frac{2}{2}$$

$$\int_{X} \int_{Z} \frac{5+1}{5+1}$$

$$\frac{3+1}{5+1} = \frac{5+1}{6}$$

$$\int \frac{1}{x} dx = \ln(x) + c$$

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$$\int sim(x) = -800(x) + C$$

Scoo(x) = sin(x)+c

 $= \left(\frac{(x-2)^2}{x^2} dx \right) \times \frac{2}{x^2} + 4 - 4 \times \frac{3}{x^2}$ $= \left(\frac{(x-2)^2}{x^2} dx \right) \times \frac{2}{x^2} + 4 - 4 \times \frac{3}{x^2}$ $= \left(\left(\times \right)^{2} \right)^{2} \cdot \left(\times \right)^{2}$ $\frac{2}{3} \cdot \frac{2}{3} \cdot \frac{2}{3} \cdot - \times$ $131 \quad \int (3 - \sqrt{x})(3 + \sqrt{x}) dx$ 34X-34X + X dX =) 3 olx + . \ \ \ x dx $= 3/2 \times + 1/2 0$

$$=9\times + \times \frac{1/2+1}{1/2+1}$$

$$-9\times + \frac{3/2}{3/2} + C$$

$$\int (x^2 + 2\sin x - e^x - 1) \, dx$$

$$\frac{3}{3} - 2\cos(x) - e^{x} - x + c$$

$$\int \sqrt{x+1} \, dx$$

$$\int \sqrt{x+1} \, dx$$

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

 $\left(\frac{\hat{X}^{3/2}}{3/2} + X\right) \cdot \frac{X^{1/2}}{1/2}$ X 3 V X Y $= 5\sqrt{8}.5\sqrt{8}$ $= \int \left(\times^{3} \right)^{1/2} \rightarrow eotswaa$ 3.1 2 = ×3/2 = ×3.1/2 ×3.4 $\frac{1}{\sqrt{X}} = \frac{1}{\sqrt{X}} = \frac{2}{\sqrt{X}}$

$$\int x^{2} \Rightarrow x^{3}$$

$$\Rightarrow x^{3} \Rightarrow x^{3} \Rightarrow$$

$$= \ln(A) + \frac{1-8}{8} = \ln(A) - \frac{1}{8} + \frac{1}{8}$$

$$\int \left(\frac{1}{\sin \alpha} - 1\right) \sin \alpha \, d\alpha$$

$$\int \frac{2 - 2\cos^2 x + \sin x}{\sin x} dx$$

$$=2\left(\frac{2}{2}\right)^{1} - 2\left(\frac{2}{2}\right)^{2}$$

$$+ 1$$

$$= 2\left(\frac{2}{2}\right)^{2}(x)^{2}$$

$$-2\left(\frac{2}{2}\right)^{2}(x)^{2} \cdot \frac{2}{2}\left(\frac{2}{2}\right)^{2}(x)$$

$$+ \times \left(\frac{2}{2}\right)^{2}(x)^{2} \cdot \frac{2}{2}\left(\frac{2}{2}\right)^{2}(x)$$

$$+ \times \left(\frac{2}{2}\right)^{2}(x)^{2} \cdot \frac{2}{2}\left(\frac{2}{2}\right)^{2}(x)$$

$$= -\frac{2}{2}\left(\frac{2}{2}\right)^{2}(x)^{2} \cdot \frac{2}{2}\left(\frac{2}{2}\right)^{2}(x) \cdot \frac{2}{2}\left(\frac{2}{2}\right)^{2}(x)$$

$$= -\frac{2}{2}\left(\frac{2}{2}\right)^{2}(x)^{2} \cdot \frac{2}{2}\left(\frac{2}{2}\right)^{2}(x) \cdot \frac{2}{2}\left(\frac{2}{2}\right)^{2}(x)$$