

(2)
$$f(x) = \cos u \Rightarrow f(x) = \frac{-1}{\sqrt{1-u^2}} \cdot u$$

(3)
$$f(x) = f(x) = \frac{1}{1+u^2}$$
.

$$f(x) = \cot u = f(x) = \frac{-1}{1 + u^2}$$
.

(5)
$$f(x) = secu \Rightarrow f(x) = \frac{1}{|u|\sqrt{u^2-1}} \cdot u$$

(6)
$$f(x) = \csc u \Rightarrow f(x) = \frac{-1}{1} \cdot u = \frac{1}{1}$$

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$$f(x) = (sc \ u) \Rightarrow f(x) = \frac{-1}{|u|} \frac{u \cdot u}{\sqrt{u^2 - 1}}$$

$$f(x) = \frac{-1}{|u|}$$

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$$\frac{y(1)}{4\pi^{2}} = \frac{1}{141^{2}} = \frac{1}{141^$$

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$$\frac{df}{dx} = \frac{1}{\int (f(x))^{2}} = \frac{1}{\int (f(x))^{2$$

$$\frac{dy}{dx} = \frac{1}{\sqrt{\frac{1}{x^2-1}}}$$

$$= \frac{1}{\sqrt{\frac{1}{x^2-1}}}$$

$$\frac{1}{3} \int \frac{du}{u^{2} - a^{2}} = \frac{1}{a} \frac{\sec(u)}{a} + c$$

$$\frac{1}{a} + c$$

$$\frac{75}{\sqrt{25}} \int \frac{x+4}{x^2+4} dx$$

$$\frac{A+13}{\sqrt{25}} = \frac{A}{\sqrt{25}} + \frac{A}{\sqrt{25}}$$

$$\frac{1}{\sqrt{25}} \int \frac{x+4}{\sqrt{25}} dx$$

$$\frac{1}{\sqrt{25}} \int \frac{2x}{\sqrt{25}} dx$$

$$\frac{1}{\sqrt{25}}$$

$$\int_{0}^{3} \frac{du}{x^{2}} = \int_{0}^{3} \frac{du}{x^{$$

$$= \sin \frac{\sqrt{2}}{2} - \sin \frac{\sqrt{2}}{2}$$

$$= \frac{1}{3} - \frac{1}{4}$$

$$= \frac{1}{12}$$

$$= \sqrt{2} \times \frac{1}{4} = -\left[(x^2 - 4x) \right]$$

$$= -\left[(x - 2)^2 + \frac{1}{4} \right]$$

$$= 4 - (x - 2)^2$$

$$= 4 - (x - 2)^2$$

$$= 4 - (x - 2)^2$$

$$= -2 \times 2$$

$$= -2$$

