

$$\int^x () \left( ()^2 - 1 \right)^3 = \frac{1}{8} (x^2 - 1)^4$$

$$\int^x ()^2 \left( ()^3 - 1 \right)^{20} = \frac{1}{63} (x^3 - 1)^{21}$$

$$\int^x \frac{4()^3}{()^4 + 1} = x^4 + 1 \quad \cancel{\text{✗}}$$

$$\int^x \frac{3}{3() + 7} = 3x + 7 \quad \cancel{\text{✗}}$$

$$\int^x \frac{4() + 3}{2()^2 + 3() + 1} = 2x^2 + 3x + 1 \quad \cancel{\text{✗}}$$

$$\int^x \frac{3()^2 - 1}{()^3 - () + 1} = x^3 - x + 1 \quad \cancel{\text{✗}}$$

$$\int^x \frac{2() - 1}{()^2 - () + 1} = x^2 - x + 1 \quad \cancel{\text{✗}}$$

$$\int^x \frac{4()}{\left( ()^2 + 7 \right)^3} = - (x^2 + 7)^{-2}$$

$$\int_{dx}^{0|6} \frac{2x}{x^2 - 4} \text{ never integrate across singularity}$$

$$\int_{dx}^{1|\infty} \frac{3x}{(1 + x^2)^2}$$

$$\int^x \frac{\overline{5: - 42:28}}{\overline{1: - 5:0:4}} : \int^x \frac{\overline{9: - 2: - 16}}{\overline{1:0: - 4:0}} : \int^x \frac{\overline{12: - 5:17}}{\overline{1: - 1|1:0:5}} : \int^x \frac{\overline{3: - 4}}{\overline{2:3}} \int^x \frac{\overline{1: - 3}}{\overline{1:2:5}} : \int^x \frac{\overline{2:5}}{\overline{1:4:5}} : \int^x \frac{\overline{5: - 5:1: - 2}}{\overline{1:0:1|1:0}^2} : \int^x \frac{\overline{11:6:1}}{\overline{3:1|1:0}^2}$$

$$\int \frac{x^{\sqrt{1:0:-4}}}{\sqrt{1:1:0:4}} : \int_{dx}^{0|1} \frac{\sqrt{1:0}^3}{\sqrt{1:0:1}^2} : \int \frac{x^{\sqrt{1:0}^{-3}}}{1 + \sqrt{1:0}^{-2}} \int \frac{3}{\sqrt{2:1}^4} : \int \frac{x^{\sqrt{1:9:18}}}{\sqrt{1:0:9} \sqrt{1:0}^2} = \int \sqrt{1:0}^{-1} + 2 \sqrt{1:0}^{-2} - \frac{\sqrt{1:1}}{\sqrt{1:0:9}}$$

$$\int \frac{x^{\sqrt{1:1}}}{x^{\sqrt{1:0:9}}} = \int \frac{3^t t + 1}{9 \sec^2 t} \quad t = \int \frac{t}{\sec} + \frac{1}{3} = \sqrt{\sec t} \cancel{\chi} + \frac{t}{3}$$

$$\int_{dx} \frac{x^{\sqrt{-1:0:4}}^{1/2}}{x^2} : \int_{dx} \frac{2x}{3 + \sqrt{x}} : \int_{dx} \frac{1}{x^2 \sqrt{81 - x^2}} : \int_{dx} \frac{1}{x^2 \sqrt{1 - x^2}} : \int_{dx} \frac{x^{\sqrt{-1:0:1}}}{x^2} \underset{x=t_s}{=} : \int_{dx} \frac{1}{x^{\sqrt{-25:0:4}}^{3/2}}$$

$$\int_{dx}^{1/2|\sqrt{3}/2} \frac{2x}{x^{\sqrt{4:0:1}}} \cancel{\chi} : \int_{dx}^x \chi : \int_{dx}^{1|e^\pi} \frac{x^{\cancel{\chi}}}{x} \mathfrak{F} = 2$$

$$\int \frac{x}{\sqrt{1,-2}}^{-1/2}$$