6.
$$\int_0^4 (x-1)^2 dx$$

$$\begin{cases} 4 & 2 - 2x + 1 & dx \\ \frac{1}{3}x^2 - x^2 + x + 0 \\ 0 & \frac{1}{3}x^2 - \frac{1}{3}x + \frac{1}{3}$$

$$\frac{64}{3} - \frac{16}{4} + \frac{1}{2}$$
 $\frac{21.3}{9.3} + \frac{1}{4} - \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$
 $\frac{9.3}{4} + \frac{1}{4} + \frac{1}{$

11.
$$\int_{-1}^{1} 5^{x} dx$$

$$\int S^{\times} dx \longrightarrow \lim_{N \to \infty} S^{\times} + C$$

$$\lim_{N \to \infty} S^{\times} + C$$

$$\frac{1}{\ln(s)} S^{\times} + C$$

$$\frac{1}{\ln(s)} S^{1} + C$$

13.
$$\int_{0}^{\pi} (2\cos x - 2\sin x) dx$$

$$2\sin x + 2\cos x + (-1) + (-$$

53.
$$y = x^2 - 2x + 5$$
, $y = 5x - 5$.

$$\int_{2}^{5} 5x - 5 dx$$

$$\frac{5}{2}x^{2} - 5x + C + C$$

$$\frac{125}{2} - 25 + C + 10 - 10 + C$$

$$\frac{75}{2} - 33 = \frac{9}{2} + 3$$

$$\frac{\partial z}{\partial x}$$

$$\frac{\partial z}{\partial y}$$

$$\frac{\partial z}{\partial y}$$

$$\frac{\partial z}{\partial x} = 2x$$

$$\frac{\partial z}{\partial x} = 2x$$

$$\frac{\partial z}{\partial x} = 2x$$

$$\frac{\partial z}{\partial x} = 2x + y$$

$$\frac{\partial z}{\partial x} =$$

1.
$$f(x,y) = x^3y^2 + 5y^2 - x + 7$$

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2.
$$f(x, y) = \cos(xy^2) + \sin x$$

$$\frac{\partial f(x,y)}{\partial x} = -\sin(xy^2)y^2 + \cos x$$

3.
$$f(x,y) = e^{x^2y^3} \sqrt{x^2 + 1}$$

$$\frac{\partial}{\partial x} + \frac{\partial}{\partial x} (x^2 + 1)^{\frac{1}{2}} (2x) e^{x^2 + 3}$$

$$+ \frac{\partial}{\partial y} (x^2 + 1)^{\frac{1}{2}} (2x) e^{x^2 + 3}$$

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$$\frac{\partial}{\partial y} + \frac{\partial$$

$$\frac{\int f(x_1 y) - \int x^2 y^2 - \int x^2 y^2 - \int y^2 y^2 - \int y^2 y^2 + \int$$