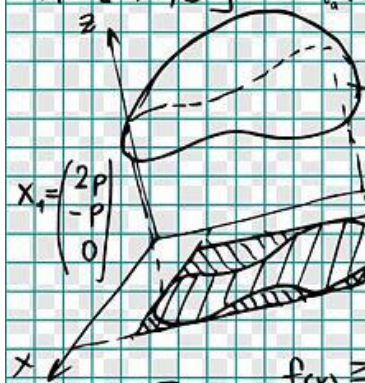


$$A = [1, 0, 3]$$

$$\int_a^b f(g(x)) \cdot g'(x) dx = \int_{g(a)}^{g(b)} f(t) dt = [F(t)]_{g(a)}^{g(b)}$$



$$G\{[x, y, z] \in \mathbb{E}_3 : [x, y] \in M, 0 \leq z = f(x, y)\}$$

$$\left(\frac{\partial \varphi}{\partial x}, \frac{\partial \varphi}{\partial y}\right) = (U, V)$$

$$X_1 = \begin{pmatrix} 2p \\ -p \\ 0 \end{pmatrix}$$

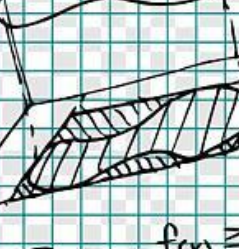
$$f(x) \geq 0$$



$$R_0 = \frac{\sqrt{1000}}{3\sqrt{11}} = \frac{10}{3\sqrt{11}} \approx 7$$

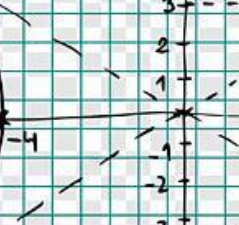


$$e^2 - xyz = e; A[0; e; 1]$$



$$\delta(f, D, V) = \|D\| = P_1 + P_2 + P_3$$

$$x^2 + x^2 + y^2 + z^2 + xyz - 6 = 0$$

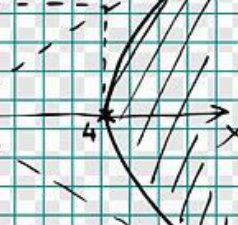


$$e^2 - xyz = e; A[0; e; 1]$$

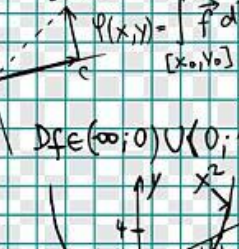
$$X_1 = \begin{pmatrix} \alpha + \beta + \gamma \\ \alpha \\ \beta \end{pmatrix}$$

$$\delta(f, D, V) = \|D\| = P_1 + P_2 + P_3$$

$$x^2 + x^2 + y^2 + z^2 + xyz - 6 = 0$$

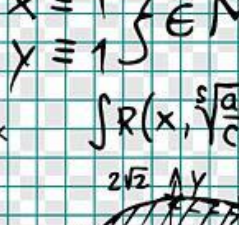


$$e^2 - xyz = e; A[0; e; 1]$$

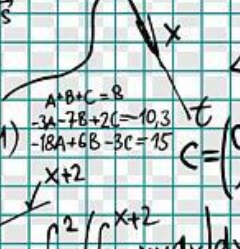


$$\delta(f, D, V) = \|D\| = P_1 + P_2 + P_3$$

$$x^2 + x^2 + y^2 + z^2 + xyz - 6 = 0$$

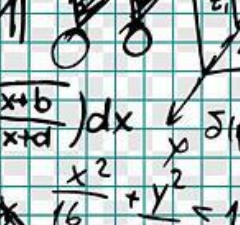


$$e^2 - xyz = e; A[0; e; 1]$$

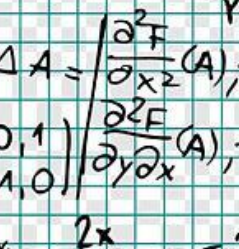


$$\delta(f, D, V) = \|D\| = P_1 + P_2 + P_3$$

$$x^2 + x^2 + y^2 + z^2 + xyz - 6 = 0$$

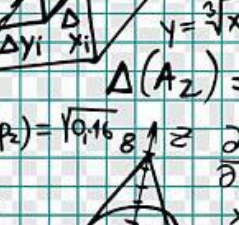


$$e^2 - xyz = e; A[0; e; 1]$$

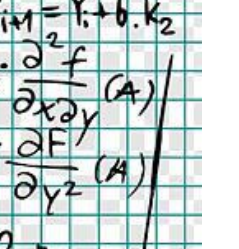


$$\delta(f, D, V) = \|D\| = P_1 + P_2 + P_3$$

$$x^2 + x^2 + y^2 + z^2 + xyz - 6 = 0$$

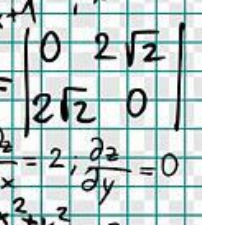


$$e^2 - xyz = e; A[0; e; 1]$$



$$\delta(f, D, V) = \|D\| = P_1 + P_2 + P_3$$

$$x^2 + x^2 + y^2 + z^2 + xyz - 6 = 0$$



$$e^2 - xyz = e; A[0; e; 1]$$

$$x \in \mathbb{R}$$

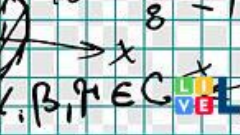
$$\{x \equiv 1, y \equiv 1\} \in M^0$$

$$\int R(x, \sqrt{\frac{ax+b}{cx+d}}) dx$$



$$\delta(p_2) = \sqrt{10, 16}$$

$$\frac{x^2}{16} + \frac{y^2}{8} \leq 1$$



$$\Delta(A_2) = \begin{vmatrix} 0 & 2\sqrt{2} \\ 2\sqrt{2} & 0 \end{vmatrix}$$

$$\frac{\partial z}{\partial x} = 2, \frac{\partial z}{\partial y} = 0$$



$$y = \sqrt[3]{x+1}; x = \log t$$

$$\frac{\partial z}{\partial x} = 2, \frac{\partial z}{\partial y} = 0$$

