Unknown node type: matrix

Unknown node type: apply

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$$\begin{pmatrix} a_{11} & a_{12} & \dots & a_{1n} \\ a_{21} & a_{22} & \dots & a_{2n} \\ & \vdots & & \\ a_{m1} & a_{m2} & \dots & a_{mn} \end{pmatrix} \begin{pmatrix} x_1 \\ x_2 \\ \vdots \\ x_n \end{pmatrix} = \begin{pmatrix} b_1 \\ b_2 \\ \vdots \\ b_n \end{pmatrix}$$

$$\mathrm{f}(x) = \sum_{j=0}^{\infty} \frac{\mathrm{f}^{(j)}(0)}{j!} x^j$$

$$\begin{aligned} x^2 - 9 &= x^2 - 3^2 \\ &= (x-3)(x+3) \end{aligned}$$

$$x^2 - 9 = x^2 - \square^2$$

$$\begin{aligned} ax^2 + bx + c &= 0 \\ ax^2 + bx &= -c \\ x^2 + \tfrac{b}{a}x &= \tfrac{-c}{a} && \text{Divide out leading coefficient.} \\ x^2 + \tfrac{b}{a}x + \left(\tfrac{b}{2a}\right)^2 &= \tfrac{-c(4a)}{a(4a)} + \tfrac{b^2}{4a^2} && \text{Complete the square.} \\ \left(x + \tfrac{b}{2a}\right)\left(x + \tfrac{b}{2a}\right) &= \tfrac{b^2-4ac}{4a^2} && \text{Discriminant revealed.} \\ \left(x + \tfrac{b}{2a}\right)^2 &= \tfrac{b^2-4ac}{4a^2} \\ x + \tfrac{b}{2a} &= \sqrt{\tfrac{b^2-4ac}{4a^2}} \\ x &= \tfrac{-b}{2a} \pm \{C\}\sqrt{\tfrac{b^2-4ac}{4a^2}} && \text{There's the vertex formula.} \\ x &= \tfrac{-b \pm \{C\}\sqrt{b^2-4ac}}{2a} \end{aligned}$$