

$$010001100$$

$$17\,29$$

$$4.56\,4.56\,4\,5\,4\,5\,4.56\,4.56\,\pi\,e\,e\,i\,i\,\gamma\,\infty$$

$$22\,7\,\pi$$

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

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

$$x^2 - 9 = x^2 - 3^2 = (x - 3)(x + 3)$$

$$x^2 - 9 = x^2 - \boxed{3}^2$$

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