

$$010001100$$

$$17\,29$$

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

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

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

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

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

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

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