

010001100

17 29

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

22 7 π

$a_{11} a_{12} \dots a_{1n} a_{21} a_{22} \dots a_{2n} ; a_{m1} a_{m2} \dots a_{mn} x_1 x_2 ; x_n = b_1 b_2$
 $; b_n$

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

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

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

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