

$01000110017294.564.5645454.564.56\pi e e i i \gamma^\infty 227\pi a11a12 \dots a1na21a22$
 $\dots a2n : am1am2 \dots amnx \underline{1x2} : xn = b1b2 : bn f x = \sum_{j=0}^\infty f_j 0j! x_j x^2 - 9 = x$
 $2 - 3^2 = x - 3 \quad x + 3x^2 - 9 = x^2 - \underline{3^2}$

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