

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

$ax^2 + bx + c = 0 \quad ax^2 + bx = -c \quad x^2 + \frac{b}{a}x = -\frac{c}{a}$ Divide out leading coefficient. $x^2 + \frac{b}{2a}x + \frac{b^2}{4a^2} = -\frac{c}{a} + \frac{b^2}{4a^2}$ Complete the square. $(x + \frac{b}{2a})(x + \frac{b}{2a}) = \frac{b^2}{4a^2} - \frac{4ac}{4a^2}$ 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. $x = -\frac{b}{2a} \pm \sqrt{\frac{b^2 - 4ac}{4a^2}}$