

$$4.56 + 4.56 + \frac{4}{5} + 4 + 5 i + polar (4.56, 4.56) + \pi + e + e + i + i + \gamma + \infty$$

$$\frac{22}{7} \approx \pi$$

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

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

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

$$x^2 - 9 = x^2 - 2$$

$$ax^{2} + bx + c = 0$$

$$ax^{2} + bx = -c$$

$$x^{2} + \frac{b}{a} \circledast x = \frac{-c}{a} \quad \text{Divide out leading coefficient.}$$

$$x^{2} + \frac{b}{a} \circledast x + \left(\frac{b}{2a}\right)^{2} = \frac{-c(4a)}{a(4a)} + \frac{b^{2}}{4a^{2}} \quad \text{Complete the square.}$$

$$\left|x + \frac{b}{2a}\right| \left|x + \frac{b}{2a}\right| = \frac{b^{2} - 4ac}{4a^{2}} \quad \text{Discriminant revealed.}$$

$$\left|x + \frac{b}{2a}\right|^{2} = \frac{b^{2} - 4ac}{4a^{2}}$$

$$x + \frac{b}{2a} = \sqrt{\frac{b^{2} - 4ac}{4a^{2}}}$$

$$x = \frac{-b}{2a} \pm \{C\}\sqrt{\frac{b^{2} - 4ac}{4a^{2}}} \quad \text{There's the vertex formula.}$$

$$x = \frac{-b \pm \{C\}\sqrt{b^{2} - 4ac}}{2a}$$