$$\begin{pmatrix} 0 & 1 & 0 \\ 0 & 0 & 1 \\ 1 & 0 & 0 \end{pmatrix}$$

$$17 + 29i \ \ C$$

$$4.56 + 4.56 + \frac{4}{5} + 4 + 5i + 4.56e^{i4.56} + \ + e + e + i + i + +$$

$$\frac{22}{7}$$

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

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

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

$$x^2 - 9 = x^2 - 3^2$$

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

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

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

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

$$\left(X + \frac{b}{2a}\right)\left(X + \frac{b}{2a}\right) = \frac{b^2 - 4ac}{4a^2} \qquad \text{Discriminant revealed.}$$

$$\left(X + \frac{b}{2a}\right)^2 = \frac{b^2 - 4ac}{4a^2}$$

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

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

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