

Solve Quadratic Equation: Completing the Square (a=1)

$$X^2 + \square X + \bigcirc = \triangle$$

$$\begin{array}{r} - \bigcirc \\ \hline \end{array} \quad \begin{array}{r} - \bigcirc \\ \hline \end{array}$$

$$X^2 + \square X = \triangle - \bigcirc$$

$$\begin{array}{r} \left(\frac{\square}{2} \right)^2 \\ \hline + \end{array}$$

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$$X^2 + \square X + \frac{\square^2}{4} = \triangle - \bigcirc + \frac{\square^2}{4}$$

$$\left(X + \frac{\square}{2} \right)^2 = \underline{\hspace{2cm}}$$