

$x^2 + 4x \rightarrow$ Standard Form

① $= (x^2 + 4x + 4 - 4)$

③ $= (x+2)^2 - 4$ Perfect square

Vertex Form

Vertex = $(-2, 4)$

② $\left(\frac{B}{2}\right)^2$

$= \left(\frac{4}{2}\right)^2$

$= (2)^2$

$= 4$