QUESTION
Solve the equation $x^2 - 4x + 2 = 0$.

ANSWER

$x^2 - 4x + 2 = 0,$ $\qquad x = \dfrac{4 \pm \sqrt{(-4)^2 - 4(1)(2)}}{2} = 2 \pm \dfrac{1}{2}\sqrt{8} = 2 \pm \sqrt{2}$