

You probably correctly substituted $a = 1$, $b = 2$, and $c = 2$ into the Quadratic Formula, $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$, but made a mistake with the sign of the radicand. The expression $b^2 - 4ac$ should simplify to -4 , not 4 .