

Warm-up:

Nov. 9, 2017

Q The quadratic formula was used by a student to solve the equation $x^2 + x - 12 = 0$ as shown below. Identify and correct the error in the following:.

Step 1 $x = \frac{-1 \pm \sqrt{1^2 - 4(1)(-12)}}{2(1)}$

Step 2 $x = \frac{-1 \pm \sqrt{49}}{2}$

Step 3 $x = \frac{-1 \pm 7}{2}$

~~Step 4~~

$x = -1 \pm \frac{7}{2}$
 -1 ± 3.5

$\frac{-1+7}{2}$ $\frac{-1-7}{2}$
 3 -4