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Question 5

According to the question, we can know the length of sequence x is 5+1-3=3;write it as $\langle a, b, c \rangle$.

$$x * \langle 1, 1, -1 \rangle = \langle a, (a + b), (b + c - a), (c - b), -c \rangle = \langle 1, 0, -1, 2, -1 \rangle$$

So $a = 1$, $b = -1$, $c = 1$ the sequence x is $\langle 1, -1, 1 \rangle$