



Helping You Teach Math to Non-Math Majors

The Math Problem

Many programs at college or university require math understanding, even if math isn't the main subject. Students in these math classes have different entry levels and learning styles. They also can struggle with math anxiety or a lack of motivation.

On the other side, teachers often don't have enough time to fully support every student due to large class sizes.

Add to that the current remote learning situation and it's become quite a challenge to teach math to non-math majors.

The One-Step Tool for Homework, Testing and Learning Analytics

The screenshot shows a digital interface for solving a linear equation. The problem is: "Find the unique value of x for which $4x - 4 = 7$ is true. Give your answer in the form $x = \dots$ and simplify as much as possible." The user has entered $x = 7 - 4$, which is marked incorrect with a red 'X' and the feedback: "No, on the right-hand side, you have subtracted 4, but you should have added it." The user has then entered $x = 11$, which is marked correct with a green checkmark and the feedback: "Divide left and right by the coefficient of x ." A yellow hint box says: "Hint: In the given equation the coefficient of x is equal to 4." Below the hint, the solution is shown as $x = \frac{11}{4}$. The interface includes buttons for "Check", "Theory", and "Solution".

Key features highlighted in the image:

- Randomizable variables
- Hints
- Access to theory
- Step by step feedback
- Worked-out solutions

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