Homework 1 Reflection

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1 Questions

1.

2 Problems

- 1. The only real difference between your solution and my solution is skipped the step where you wrote $\Delta t = \gamma \Delta t'$.
- 2. I used the same process it just wrote it out more explicitly. I don't really know how to improve that.
- 3. Instead of calculating γ I calculated $\frac{1}{\gamma}$ from the begining. I think it is better to do it this way.
- 4. I didn't calculate γ separately first. I'm happy with the way I did this.
- 5. I used a sufficiently powerful calculator instead of an approximation. For this problem, I wrote everything except the final answer down correctly. I got the wrong answer because I forgot the square root when I typed it into my calculator.
- 6. I did this the same way as you. No changes.

3 Challengers

1. You found t' in terms of x' whereas I didn't bother and just left t' in terms of x after inverting, and then solved for x after the substitution. I prefer the way that I did it because it involved fewer steps.

2.