

YOUR NAME: _____

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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Solve the linear equation $\frac{x-2}{2} - \frac{x-3}{4} = \frac{7}{4}$. Please show all steps.

2. If the perimeter of a rectangular piece of glass is 22 in and its length is 0.2 in longer than twice its width, what are the dimensions of the glass? Please, introduce variables carefully, write down an equation reflecting the given data and show all steps in your solution.