

Where did I go wrong?

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//how to make mistakes on purpose

Mistake #1 // adding rational expr.

$$\frac{2}{x} + \frac{4x}{7}$$

Step 1

2
3
4

Mistake #2 // adding rational expr.

$$\frac{2}{a} + \frac{3}{b}$$

Step 1 Common den. $\frac{2}{a} \left[\frac{b}{b} \right] + \frac{3}{b} \left[\frac{a}{a} \right]$

Step 2 $\frac{2b}{ab} + \frac{3a}{ab}$

Step 3 $\frac{2b+3a}{ab} = 5$

Mistake #3 // subtracting rational expr.

$$\frac{1}{x+5} - \frac{3}{x+2}$$

Step 1

2
3
4

Mistake #4 //simplifying a rational expr

$$\frac{x^2 + 9x - 22}{x^2 + 8x - 33}$$

Step 1

Step 2

Step 3

Step 4

Mistake #5 // multiplying rational expr

$$\frac{x+1}{x} \cdot \frac{x^2}{x+1}$$

Step 1

2
3
4
5