

You probably found the least common denominator $(x - 2)(x + 3)$ and attempted to rewrite each fraction with this denominator. However, you forgot to apply the distributive property in each numerator:

$$\frac{7x}{x - 2} + \frac{4}{x + 3} = \frac{(7x)(x + 3)}{(x - 2)(x + 3)} + \frac{4(x - 2)}{(x + 3)(x - 2)}$$

Don't leave out $(7x)(3)$ and $4(-2)$. The correct answer is: $\frac{7x^2 + 25x - 8}{x^2 + x - 6}$