

It appears that you added the numerators and added the denominators. To add these fractions, you must first find the least common denominator, which in this case is $x^2 + 6x - 27$. Then rewrite the first fraction as an equivalent fraction with this denominator. Add the numerators while leaving the denominator the same. The correct answer

is:
$$\frac{3x^2 + 29x}{x^2 + 6x - 27}$$