

Incorrect. To add rational expressions with unlike denominators, first find the least common denominator.

$16x^3 = 2 \cdot 2 \cdot 2 \cdot 2 \cdot x \cdot x \cdot x$ and $24x^4 = 2 \cdot 2 \cdot 2 \cdot 3 \cdot x \cdot x \cdot x \cdot x$, so the LCD = $2 \cdot 2 \cdot 2 \cdot 2 \cdot 3 \cdot x \cdot x \cdot x \cdot x = 48x^4$.

Rewrite each fraction with the common denominator of $48x^4$. Add the numerators and simplify if possible.