

Correct. $24x = 2 \cdot 2 \cdot 2 \cdot 3 \cdot x$ and $36x^2 = 2 \cdot 2 \cdot 3 \cdot 3 \cdot x \cdot x$, so the LCM = $2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \cdot x \cdot x = 72x^2$

$$\frac{7b}{24x} - \frac{7b}{36x^2} = \frac{7b(3x)}{24x(3x)} - \frac{7b(2)}{36x^2(2)} = \frac{21bx}{72x^2} - \frac{14b}{72x^2} = \frac{21bx - 14b}{72x^2} = \frac{7b(3x - 2)}{72x^2}$$