

$$\textcircled{32} \quad \frac{4x^2 \cdot (x+8)}{3x+5 \cdot (x+8)} - \frac{10 \cdot (3x+5)}{x+8 \cdot (3x+5)}$$

$$\text{LCD: } (3x+5)(x+8)$$

$$\frac{4x^3 + 32x^2}{(3x+5)(x+8)} + \frac{-30x - 50}{(3x+5)(x+8)} = \frac{4x^3 + 32x^2 - 30x - 50}{(3x+5)(x+8)}$$

$$= \frac{2(2x^3 + 16x^2 - 15x - 25)}{(3x+5)(x+8)}$$

$$\textcircled{36} \quad \frac{4x \cdot x(2x-3)}{x+1 \cdot x(2x-3)} + \frac{5 \cdot x(x+1)}{2x-3 \cdot x(x+1)} - \frac{4(x+1)(2x-3)}{x(x+1)(2x-3)}$$

$2x^2 - 3x + 2x - 3$
 $2x^2 - x - 3$

$$\text{LCD: } x(x+1)(2x-3)$$

$$\frac{8x^3 - 12x^2}{x(x+1)(2x-3)} + \frac{5x^2 + 5x}{x(x+1)(2x-3)} + \frac{-8x^2 + 4x + 12}{x(x+1)(2x-3)}$$

$$\frac{8x^3 - 15x^2 + 9x - 12}{x(x+1)(2x-3)}$$