

Завдання. Спростіть вирази:

$$1) \frac{\cancel{4}}{x} + \frac{\cancel{7}}{y} = \frac{4}{} + \frac{7}{}$$

$$2) \frac{\cancel{8}}{t^7} + \frac{\cancel{4}}{t^4} = \frac{8+4t}{t^7};$$

$$3) \frac{\cancel{5x}}{x+1} - \frac{\cancel{2-x}}{x-3} = \frac{5x() - (2-x)()}{(x+1)(x-3)} = \frac{5x - x - (2x - 2x^2 - x)}{(x+1)(x-3)} =$$

$$= \frac{5x - x - 2x + 2x^2 + x}{(x+1)(x-3)} = \frac{x - x}{(x+1)(x-3)};$$

$$4) \frac{9x+2}{3x-12} - \frac{4-6x}{8-2x} = \frac{9x+2}{(x-4)} - \frac{4-6x}{\cdot(x-4)} = \frac{\cancel{9x+2}}{\cdot(x-4)} - \frac{\cancel{4-6x}}{\cdot(x-4)} = \frac{(9x+2) - (4-6x)}{(x-4)} =$$

$$= \frac{x+4 - 12}{(x-4)} = \frac{x}{(x-4)};$$

$$5) \frac{5m-35}{m^2-7m} - \frac{4}{m} = \frac{5m-35}{() - ()} - \frac{\cancel{4}}{m} = \frac{m - - ()}{() - ()} = \frac{m - 4m - 28}{() - ()} =$$

$$= \frac{-}{() - ()} = -;$$

$$6) \frac{5a}{a+3} - \frac{\cancel{4}}{4} = \frac{5a-4()}{+} = \frac{5a-4}{+} = \frac{-}{+}.$$