

Завдання. Спростіть вирази:

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

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

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

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

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

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

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

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

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