

Answer on Question #46787 – Math – Algebra

Task:

LAW OF INDICES:

$$x^{-4} - \frac{x^{-1}}{\frac{x^{-2}}{x}} =$$

Solution:

$$x^{-4} - \frac{x^{-1}}{\frac{x^{-2}}{x}} = x^{-4} - \frac{x^{-1}}{x^{-3}} = x^{-4} - x^2 = \frac{1}{x^4} - x^2 = \frac{1-x^6}{x^4}$$