

Effectue les opérations suivantes :

$a^2b^5(2ab - a^2 + 3b) =$ $2a^3b^6 - a^4b^5 + 3a^2b^6$
$2xy^2(-7xy + 3y - 9x^2) =$ $-14x^2y^3 + 6xy^3 - 18x^3y^2$
$\frac{-25a^2b^6 - 18a^3b^4}{-6a^2b^4} =$ $4b^2 + 3a$
$\frac{-25x^6y^3 + 30x^4y^9 - 5x^3y^6}{5x^3y^3} =$ $-5x^3 + 6xy^6 - y^3$
$4x^{5k}(-6x^{2k-3}) =$ $-24x^{7k-3}$
$(-5y^{2k+3})(-8y^{4k-1}) =$ $40y^{6k+2}$
$\frac{2x^{7k+5}(-9x^{2k})}{6x^{9k-1}} =$ $-3x^6$

$$7k+5+2k-(9k-1) = 6$$

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$$\frac{x^{2k+9} - 3x^{2k} + 5x^{2k+4}}{x^{2k}} = x^9 - 3 + 5x^4$$

$$\frac{7y^{5k-3} - 21y^{5k+6} - 56y^{5k}}{7y^{5k-4}} = y - 3y^{10} - 8y^4$$

$$\frac{24x^{3k-1} + 18x^{3k+2} - 6x^{3k-5}}{-6x^{3k-7}} = -4x^6 - 3x^9 + x^2$$

$$\frac{-8y^{2k+9} - 40y^{2k-3} + 16y^{2k+1}}{8y^{2k-3}} = -y^{12} - 5 + 2y^4$$