



Vereinfachende Polynome

Name: _____

Datum: _____ Ergebnis: _____

$$3x - x^3 + 4(2x^2 + 8x) - x^2$$

$$3x^2 + 7x^2 + x^2 + 8x - 4x^3$$

$$9x^3 + 5x^2 - 6x - 3x + x^3$$

$$8x^2 + 3x^2 - 4x^2 + 5x^2 - 5x^2$$

$$8x^2 - 8x^2 - x - 6x^2 - 2x^3$$

$$7x + 8x + 5x^2 - 2(5x^3 - x)$$

$$6x^3 - x^2 + 4x^2 - 8x^3 - 3x^2$$

$$3x^3 + 4x + 5x^3 - 3(2x^3 + 5x^3)$$

$$2x^3 - x^3 + 2x^3 - 3(x^2 + x^3)$$

$$6x - 9x^2 + 2x^2 - 9x + 4x^3$$



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$$\begin{array}{r} 3x - x^3 + 4(2x^2 + 8x) - x^2 \\ \textcolor{red}{-x^3 + 7x^2 + 35x} \end{array}$$

$$\begin{array}{r} 3x^2 + 7x^2 + x^2 + 8x - 4x^3 \\ \textcolor{red}{-4x^3 + 11x^2 + 8x} \end{array}$$

$$\begin{array}{r} 9x^3 + 5x^2 - 6x - 3x + x^3 \\ \textcolor{red}{10x^3 + 5x^2 - 9x} \end{array}$$

$$\begin{array}{r} 8x^2 + 3x^2 - 4x^2 + 5x^2 - 5x^2 \\ \textcolor{red}{7x^2} \end{array}$$

$$\begin{array}{r} 8x^2 - 8x^2 - x - 6x^2 - 2x^3 \\ \textcolor{red}{-2x^3 - 6x^2 - x} \end{array}$$

$$\begin{array}{r} 7x + 8x + 5x^2 - 2(5x^3 - x) \\ \textcolor{red}{-10x^3 + 5x^2 + 17x} \end{array}$$

$$\begin{array}{r} 6x^3 - x^2 + 4x^2 - 8x^3 - 3x^2 \\ \textcolor{red}{-2x^3} \end{array}$$

$$\begin{array}{r} 3x^3 + 4x + 5x^3 - 3(2x^3 + 5x^3) \\ \textcolor{red}{-13x^3 + 4x} \end{array}$$

$$\begin{array}{r} 2x^3 - x^3 + 2x^3 - 3(x^2 + x^3) \\ \textcolor{red}{-3x^2} \end{array}$$

$$\begin{array}{r} 6x - 9x^2 + 2x^2 - 9x + 4x^3 \\ \textcolor{red}{4x^3 - 7x^2 - 3x} \end{array}$$