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$$(a^x - a^3)^3 - (a^x - a^3)(a^{2x} + a^x \cdot a^3 + a^6) - 3a^x \cdot (a^2)^3 = [-3a^{2x+3}]^{-3}$$

$$(A+B)^3 = A^3 + 3A^2B + 3AB^2 + B^3$$

$$= \alpha^{3x} + 3(\alpha^{x})^{2}(-\alpha^{3}) + 3\alpha^{x}(-\alpha^{3})^{2} + (-\alpha^{3})^{3} -$$

$$-(a^{x}-a^{3})(a^{2x}+a^{x+3}+a^{6})-3a^{x}\cdot a^{6}=$$

$$= a^{3x} - 3a^{2x+3} + 3a^{x+6} - a^{9} - (a^{3x} + a^{2x+3} + a^{x+6} - a^{9})$$

$$-a^{2\times+3}-a^{\times+6}-a^{3})-3a^{\times+6}=$$

$$= 9^{3x} - 30^{2x+3} - 2^{3x} - 2^{3x} - 2^{3x} - 2^{3x} + 2^{3x$$