

Nº 143

$$\begin{aligned} & \left[\left(-\frac{3}{4} a^3 \right) \left(\frac{16}{3} b^4 \right)^3 - 3(a^3)(b^4) \right]^0 - 2 \\ & \left[\left(+\frac{9}{16} a^6 \right) \left(\frac{16}{27} b^{12} \right) - 3(a^6)(b^{12}) \right]^0 - 2 \\ & \left[+\frac{256}{3} a^6 b^{12} - 3a^6 b^{12} \right]^0 - 2 \\ & \left[\left(+\frac{256}{3} - 3 \right) a^6 b^{12} \right]^0 - 2 \\ & \left[\frac{247}{3} a^6 b^{12} \right]^0 - 2 = 1 - 2 = -1 \end{aligned}$$

Nº 137a

$$\begin{aligned} & (2x+3x)^2(-x)^3 - 2x^3(-2x)^2 \\ & (5x)^2(-x^3) - 2x^3(+4x^2) \\ & 25x^2(-x^3) - 8x^5 = \\ & -25x^5 - 8x^5 = (-25-8)x^5 = -33x^5 \end{aligned}$$

Nº 141

$$\begin{aligned} & \left[3a(-ab^3)^2 \right]^2 - \left[\left(-\frac{1}{2} a \right) (-2ab^3) \right]^2 \\ & \left[3a(+a^2b^6) \right]^2 - \left[\left(-\frac{1}{2} a \right) (-2ab^3) \right]^2 \\ & \left[+3a^3b^6 \right]^2 - \left[+\frac{1}{4} a^4b^3 \right]^2 \\ & +9a^6b^8 - \left(+\frac{1}{16} a^8b^6 \right) \\ & 9a^6b^8 - \frac{1}{16} a^8b^6 \end{aligned}$$

Nº 145

$$\begin{aligned} & (-2x^3y)^4 + [(-xy)^2]^2 - 4\left(\frac{1}{2}x^3y\right)^3(-2x)^3 - (4x^6y^2)^2 \\ & + (-2x)^4 \left(\frac{1}{2}y\right)^2 = \\ & +16x^{12}y^4 + [-(+x^6y^2)]^2 - 4\left(\frac{1}{8}x^9y^3\right)(-8x^3) + \\ & - (16x^6y^4) + (+16x^4)\left(\frac{1}{4}y^2\right) = \\ & +16x^{12}y^4 + [-x^6y^2]^2 + x^{12}y^4 - 16x^{12}y^4 + 4x^4y^2 \\ & 16x^{12}y^4 + [x^6y^2]^2 + x^{12}y^4 - 16x^{12}y^4 + 4x^4y^2 \\ & 16x^{12}y^4 + x^6y^2 + x^{12}y^4 - 16x^{12}y^4 + 4x^4y^2 \\ & 2x^{12}y^4 + 4x^4y^2 \end{aligned}$$