

N° 389

$$\begin{aligned}
 & \left[ \left( \frac{32}{25} x^4 y^2 \right) \left( -\frac{5}{8} x^3 y \right) + \left( \frac{15}{8} x^4 y^4 \right) : \left( \frac{5}{4} y \right) \right] : \left[ \left( \frac{5}{8} y^2 - \frac{2}{3} x^2 + \frac{1}{6} x^2 \right) \left( -\frac{8}{5} x y \right) + \frac{5}{4} x^3 y \right] = \\
 & = \left[ -\frac{4}{5} x^4 y^3 + \frac{3 \left( \frac{15}{8} \cdot \frac{4}{5} \right)}{28} x^4 y^3 \right] : \left[ \left( \frac{15-16+4}{24} \right) x^2 \cdot \left( -\frac{8}{5} x y \right) + \frac{5}{4} x^3 y \right] = \\
 & = \left[ -\frac{4}{5} x^4 y^3 + \frac{3}{2} x^4 y^3 \right] : \left[ \frac{3}{24} x^2 \cdot \left( -\frac{8}{5} x y \right) + \frac{5}{4} x^3 y \right] = \\
 & = \left[ \frac{-8+15}{10} \right] x^4 y^3 : \left[ -\frac{1}{5} x^3 y + \frac{5}{4} x^3 y \right] = \\
 & = \frac{7}{10} x^4 y^3 : \left[ \frac{-4+25}{20} x^3 y \right] = \frac{7}{10} x^4 y^3 \cdot \frac{20}{21} x^{-3} y^{-1} = \frac{2}{3} x y^2
 \end{aligned}$$

N° 391

$$\begin{aligned}
 & \left( -\frac{3}{5} x^3 y \right)^2 : \left( -\frac{6}{5} x^3 \right) - \left[ \left( \frac{7}{4} y^2 + \frac{2}{5} y^2 - \frac{3}{20} y^2 \right) \left( -\frac{5}{8} x^3 \right) + \left( \frac{1}{2} x \right)^3 \left( -4y \right)^2 \right] = \\
 & = \left( +\frac{9}{25} x^6 y^2 \right) \cdot \left( -\frac{5}{6} x^{-3} \right) - \left[ \left( \frac{35+8-3}{20} \right) y^2 \cdot \left( -\frac{5}{8} x^3 \right) + \left( \frac{1}{8} x^3 \right) \cdot \left( +16 y^2 \right) \right] = \\
 & = -\frac{3}{10} x^3 y^2 - \left[ \frac{40}{20} y^2 \cdot \left( -\frac{5}{8} x^3 \right) + 2 x^3 y^2 \right] = \\
 & = -\frac{3}{10} x^3 y^2 - \left[ -\frac{5}{4} x^3 y^2 + 2 x^3 y^2 \right] = \\
 & = -\frac{3}{10} x^3 y^2 - \left[ \left( \frac{-5+8}{4} \right) x^3 y^2 \right] = \\
 & = -\frac{3}{10} x^3 y^2 - \left[ \frac{3}{4} x^3 y^2 \right] = \left( \frac{-6-15}{20} \right) x^3 y^2 = -\frac{21}{20} x^3 y^2
 \end{aligned}$$