ESERCIZI PAG. 107

N° 94 $\left(\frac{3}{4}x^2y^2 - 2x^3 + \frac{3}{4}y\right) - \left(2x^2y^2 - \frac{1}{3}x^3 - \frac{5}{4}y\right) =$

$= \frac{3}{4}x^2y^2 - 2x^3 + \frac{3}{4}y - 2x^2y^2 + \frac{1}{3}x^3 + \frac{5}{4}y =$

$= \left(\frac{3}{4} - 2\right)x^2y^2 + \left(-2 + \frac{1}{3}\right)x^3 + \left(\frac{3}{4} + \frac{5}{4}\right)y =$

$= \left(\frac{3-8}{4}\right)x^2y^2 + \left(\frac{-6+1}{3}\right)x^3 + \frac{8}{4}y =$

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

N° 95 $\left(\frac{57}{15}ab + \frac{1}{8}a^2 + b^2\right) - \left(-\frac{3}{5}ab - \frac{1}{12}a^2 + b^2\right) - \frac{16}{15}ab =$

$= \frac{7}{15}ab + \frac{1}{8}a^2 + b^2 + \frac{3}{5}ab + \frac{1}{12}a^2 - b^2 - \frac{16}{15}ab =$

$= \left(\frac{7}{15} + \frac{3}{5} - \frac{16}{15}\right)ab + \left(\frac{1}{8} + \frac{1}{12}\right)a^2 + (1-1)b^2 =$

$= \left(\frac{7+9-16}{15}\right)ab + \left(\frac{3+2}{24}\right)a^2 + 0 \cdot b^2 = \frac{5}{24}a^2$

ESERCIZI PAG. 109

N° 127 $\left(\frac{4}{3}a^3 - \frac{2}{7}a^3 - \frac{8}{5}ab\right)\left(\frac{7}{2}a\right) =$

$= \left(\frac{4}{3}a^3\right)\cdot\left(\frac{7}{2}a\right) + \left(-\frac{2}{7}a^3\right)\cdot\left(\frac{7}{2}a\right) + \left(-\frac{8}{5}ab\right)\cdot\left(\frac{7}{2}a\right) =$

$= \frac{14}{3}a^4 - a^4 - \frac{28}{5}a^2b$

N° 128 $\left(\frac{15}{4}yz^2 - \frac{10}{7}x^2y + \frac{5}{3}xyz\right)\left(-\frac{6}{5}xyz\right) =$

$= \left(\frac{15}{4}yz^2\right)\left(-\frac{6}{5}xyz\right) + \left(-\frac{10}{7}x^2y\right)\left(-\frac{6}{5}xyz\right) + \left(\frac{5}{3}xyz\right)\left(-\frac{6}{5}xyz\right) =$

$= -\frac{9}{2}xy^2z^3 + \frac{12}{7}x^3y^2z - 2x^2y^2z^2$