

La moltiplicazione

Calcola i seguenti prodotti tra un polinomio e un monomio.

119. $(4xy - 6x)(5xy);$
 $(3x^2 - 6xy^2)(-4x).$

120. $(7b - 5ab^3)(-9ab);$
 $(3x^2y^3 - 6xy^4)(3x^2y^2).$

121. $(-4ab^2)(2b^2 - 5a^3b);$
 $(5xy^3)(6xy^2 - 2x^2y^3).$

122. $(-9a^2b^3)(-5a^2b + 2b^4);$
 $(-10xy^2z)(2xy^3 - 8x^3z^2).$

123. $(3b + 4ab - 7b^2)(3a);$
 $(-5xy^2 - 4xy + 6y^3)(-2x^2).$

124. $(6ab^2 + 3a - 5ab^3)(3ab);$
 $(-2x^2 - 5x^2y^3 + 3xy^3)(-4xy).$

125. $(2x^2y^3)(3xy + 4y^3 - 9y^2);$
 $(-2a^2b^3)(2ab^2 - 4b^3 + 3ab^3).$

126. $(-4ab)(-4a^2b^2 + 2ab - 3ab^2);$
 $(6xy)(5xy^2 - 5xy^3 + 4y^3).$

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$$\text{.90. } \left(\frac{3}{4}x^3y^2 + \frac{5}{2}x^2y\right) - \left(\frac{5}{12}x + \frac{3}{5}x^3y^2\right) + \left(-\frac{3}{4}x^2y - \frac{13}{20}x^3y^2\right) + \frac{1}{6}x \quad \left[-\frac{1}{2}x^3y^2 + \frac{7}{4}x^2y - \frac{1}{4}x\right]$$

$$\text{.91. } \left(-\frac{5}{4}ab - a^2\right) - \left(\frac{3}{2}ab - \frac{5}{4}a^2 - a^3\right) - \left(\frac{1}{4}a^2 - \frac{5}{2}ab\right) \quad \left[a^3 - \frac{1}{4}ab\right]$$

$$\text{.92. } \left(\frac{4}{3}a^3 - \frac{4}{9}a^2 - \frac{4}{3}a\right) - \left(-\frac{1}{2}a^2 + 2a^3\right) + \left(-\frac{1}{6}a^3 - \frac{2}{6}a\right) - \left(-\frac{5}{12}a\right) \quad \left[-\frac{5}{6}a^3 + \frac{1}{18}a^2 - \frac{5}{4}a\right]$$

$$\text{.93. } \left(\frac{5}{2}c - \frac{2}{7}c^2 + \frac{3}{8}c^3\right) - \left(3c + \frac{1}{2}c^3 - \frac{1}{2}c^2\right) + \left(-\frac{3}{14}c^2 + \frac{1}{4}c\right) \quad \left[-\frac{1}{8}c^3 - \frac{1}{4}c\right]$$

$$\text{.94. } \left(\frac{3}{4}x^2y^2 - 2x^3 + \frac{3}{4}y\right) - \left(2x^2y^2 - \frac{1}{3}x^3 - \frac{5}{4}y\right) \quad \left[-\frac{5}{3}x^3 - \frac{5}{4}x^2y^2 + 2y\right]$$

$$\text{.95. } \left(\frac{7}{15}ab + \frac{1}{8}a^2 + b^2\right) - \left(-\frac{3}{5}ab - \frac{1}{12}a^2 + b^2\right) - \frac{16}{15}ab \quad \left[\frac{5}{24}a^2\right]$$

$$\text{.96. } \left(-\frac{1}{5}ab + \frac{4}{3}a^2\right) - \left(\frac{5}{9}a^2 + \frac{1}{6}ab + \frac{1}{2}c\right) + \left(\frac{1}{10}c + \frac{1}{10}ab\right) \quad \left[\frac{7}{9}a^2 - \frac{4}{15}ab - \frac{2}{5}c\right]$$

$$\text{.97. } -\frac{2}{5}a^2b^3 - \left[-\frac{1}{3}a^3b^2 + \frac{3}{4}a^2b^3 - \left(a^2b^3 + \frac{1}{3}a^3b^2\right)\right] \quad \left[\frac{2}{3}a^3b^2 - \frac{3}{20}a^2b^3\right]$$

$$\text{.98. } -\frac{7}{5}x - \left[\left(\frac{1}{2}xy - \frac{1}{3}x\right) - \left(-\frac{3}{5}y + x\right) + \frac{2}{5}y\right] + xy \quad \left[-\frac{1}{15}x + \frac{1}{2}xy - \right]$$

$$\left[\frac{1}{5}b^2 + \frac{1}{5}\right]$$