

ESPRESSIONI CON I MONOMI

PRODOTTO DI MONOMI:

$$1. \frac{1}{7} x^3 y^2 (-7 x z^2) (-2 x y^2) - 4 x y z^2 \left(-\frac{1}{2} x^2 \right) (+x^2 y^3) =$$

$$2. 0,3 x^2 y \left(-\frac{5}{6} x y \right) \frac{1}{2} x y^2 - \frac{2}{3} x^2 y^2 (+4 x^2 y^2) =$$

$$3. \frac{3}{4} a x \left(-\frac{1}{3} a x^2 \right) \cdot (-9 a^2 x^2) + \frac{5}{2} a^3 x \left(-\frac{4}{15} a x^4 \right) =$$

$$4. \frac{3}{5} a^2 b (-0,3 a) + \frac{2}{5} b \left(-\frac{1}{2} a^3 \right) + a b (-0,2 b) - a b^2 =$$

POTENZE DI MONOMI:

$$5. (2a)^2 \cdot (-b)^3 + (-ab)^2 \cdot (-3b) =$$

$$6. (-3a^2 x)^3 \cdot (-ax)^2 - (-ax)^5 (3a)^3 =$$

$$7. [(-2ab^2)^2 - (-2a)^2 (-b)^4]^3 =$$

$$8. -[-a(-2b)^3 (-a)^2]^2 + (-2ab)^6 =$$

$$9. (-3x^3) \left(-\frac{1}{3} x^2 \right)^2 (-2x) - \left(\frac{1}{2} x^3 \right)^2 (-x)^2 =$$

$$10. (-2x^2)^2 \left(+\frac{1}{2} y \right)^2 - \left(-\frac{1}{3} x^2 y \right)^2 - (-3x^2) \left(\frac{2}{3} x y \right)^2 =$$

$$11. -(0,2a^3)^2 (a^2 b)^2 - 0,2 a^2 (-a^4 b)^2 + (0,1 a^4)^2 (-3ab)^2 =$$

$$12. \left(+\frac{3}{2} a^2 \right)^2 (-a^2 b) - \frac{1}{2} (a^3)^2 b - 3a^2 b \left(-\frac{1}{2} a \right)^4 =$$

$$13. [-(2m^2 n)^2]^2 - (+5m^2 n)^4 \left(-\frac{1}{5} \right)^2 + [(-m^2 n)^2]^2 =$$

$$14. -(-a^{2n})^3 + (-a^{3n})^2 + (a^6)^n + (-a^n)^6 =$$

$$15. (-2a^n)^2 (-3ab^m)^2 + (-2a^n b^m)^2 (-3a^2) =$$

DIVISIONI TRA MONOMI:

$$16. \{-a^4 b^5 c^2 - [-a^4 b^5 c^2 - (+2a^4 b^5 c^2)]\} : (-7a^3 c^2 + 5a^3 c^2) =$$

$$17. \{-2x y^3 - [x y^3 - (-5x y^3)] - 3x y^3\} : (-x y + 4x y) =$$

$$18. - \left\{ - \left[- \left(-\frac{1}{3} a^2 b \right) - 3 a^2 b \right] + \frac{1}{2} a^2 b \right\} : \left[-\frac{4}{3} ab - (-ab) \right] =$$