



Esercizi sulla divisione tra un polinomio e un monomio

1. $(2x^3 + 4x^2): 2x =$ $[+x^2 + 2x]$
2. $(+8x^4y + 4x^3): (+4x^2) =$ $[+2x^2y + x]$
3. $(+8a^3b - 2b): (-2b) =$ $[-4a^3 + 1]$
4. $(-15x^4y - 12x): (+3x) =$ $[-5x^3y - 4]$
5. $(-30a^3b^2 - 15a^4b^3 - 12ab): (+3ab) =$ $[-10a^2b - 5a^3b^2 - 4]$
6. $(-14m^4 + 70m^6): (-7m^2) =$ $[+2m^2 - 10m^4]$
7. $(+27x^5y^4 + 33x^6y^3 - 24x^6y^6): (-3x^3y^3) =$ $[-9x^2y - 11x^3 + 8x^3y^3]$
8. $(+48a^{10}b^8c^{12} - 60a^{16}b^{13}c^{10}): (+12a^3b^3c^3) =$ $[+4a^7b^5c^9 - 5a^{13}b^{10}c^7]$
9. $(+6a^4 - 8a^6): 3a^3 =$ $\left[+2a - \frac{8}{3}a^3\right]$
10. $(-6m^4n^{16} - 9m^3n^8): (+12m^3n^8) =$ $\left[-\frac{1}{2}mn^8 - \frac{3}{4}\right]$
11. $(+4x^5y^4 - 7y^7): (-28y^4) =$ $\left[-\frac{1}{7}x^5 + \frac{1}{4}y^3\right]$
12. $(-12x^{13}y^{12} - 15x^{10}y^{13} - 18x^{15}y^{21}): (+30x^{10}y^{12}) =$ $\left[-\frac{2}{5}x^3 - \frac{1}{2}y - \frac{3}{5}x^5y^9\right]$
13. $(+2x^3y^8 - 4x^6y^7): 8x^4y^8 =$ $\left[+\frac{1}{4}x^{-1} - \frac{1}{2}x^2y^{-1}\right]$
14. $(+8m^5n^{12}o^{14} + 12m^{13}n^{18}o^{15}): (-24m^8n^{12}o^{16}) =$ $\left[-\frac{1}{3}m^{-3}o^{-2} - \frac{1}{2}m^5n^6o^{-1}\right]$
15. $(+18x^5y^4 - 54x^2 - 72y^2): (-36x^5y^4) =$ $\left[-\frac{1}{2} + \frac{3}{2}x^{-3}y^{-4} + 2x^{-5}y^{-2}\right]$