Cruz Crespo

Matematica Basica

Semana 5

Ejercicio 8.5^{kk}

1. $8\,x^9 \;/\; 4\,x\,3 = 6$
2. $9\,y^6 \;/\; 3\,y\,2 = 3\,y\,4$
3. $-4\,x^4\,y^2 \;/\; 2\,x\,y = 2\,x^3\,y$
4. $3\,a^2\,bc^3 \;/\; -a^2\,b\,c = -3c^2$
5. $30\,c\,x\,y \;/\; -5x = -6\,cy$
6. $40\,x^{18}\,y^6 \;/\; 8\,x^9\,y^3 = 5x^9\,y^3$
7. $42^{m2}\,p \;/\; -6m\,p = -7m$
8. $-66\,r^2\,s^3\,t^5 / -22\,r\,s^2\,t^3 = 3\,rst^2$
9. $9\,a\,b\,c \;/\; 0.5\,ac = 18b$
10. $6\,a^2\,b^k \;/\; -2\,ab^{k-1} = 3ak^2$
11. $18\,x\,y \;/ 3\,x^{1-n}\,y = 6yx^{n\,\gamma}$
12. $-54\,x^k\,y^{2\,k} / -18\,x^{k-1} = 3\,k^2$
13. $x^2 + 5xy \;/\; x = x + 5y$
14. $8\,a^5 - 4a^7 / 2\,a^3 = 4\,a^{2\,-4\,a7}$
15. $6\,y^3 - 24ay^2 \;/\; 6y^2 = y - 4a$
16. $x^3 + 3x^2 - 8\,x \;/\; x = x^2 + 3x - 8$
17. $x^6 - x^4 + 2\,x = x^4 - x^2 + 1$
18. $x^2y^2z - xy^2z^2 + x^2yz^2 / xyz = xy - yz +$
19. $a^9 - a^6 + a^3 \;/\; a^3 = a^6 - 6^3 + 1$
20. $2x^4 + 9x^2 - 5x \;/\; 0.5\,x \;/ = x^3 + 4.5x - 2.5$
21. $3x^k + 12x^{k+2} - 9x^{k+3} / 3\,x^k = 1 + 4x^2 - 3x^3$
22. $y^{k+1} - 6y^{2-k} - y^4 \;/\; y^k = y - 6^{2-2k} - ^{4-k}$
23. $(x^2 - 8x + 12) \div (x - 2) = x - 6$
24. $(x^2 + 2x - 35) \div (x + 7) = x - 5$
25. $(x^2 + 8\,x + 1) \div (x + 1) = x + 7$
26. $(y^2 + 9y + 3) + 3) \div (y + 2) = y + 7$
27. $(6x^2 + 13x + 6) \div 2x + 3) = 3x + 2$
28. $((5x^2 - 13x + 6) \div 2x + 3) = x + 3$
29. $(8x^2 + 10x + 5) \div (2x + 1) = 4x + 3$
30. $(36x^2 - 49) \div (6x + 7) = 6\,x - 7$
31. $(8y^3 - 1) \div (2y - 1) = 4y^2 + 2y + 1$
32. $(x^5 + 1) \div (x - 1) = x^4 + x^3 + x^2 + 1 + 2 / x - 1$
33. $(x^6 - 64) \div x - 2) = (x^2 + 2x + 4)\,(x^3 + 8)$
34. $(n^6 - 243) \div n + 3) = (n - 3)\,(n^3 + 9)$