1. $\frac{x^2}{4}-\frac{x}{3}+\frac{1}{9}$

2. $-x^2+7x-12$

3. $2ac+14ab$

4. $-49a^3-14a^2b-ab^2$

5. $\frac{3}{2}x^5y^3-\frac{27}{8}x^3y^5$

6. $x^3-3x^2y^2-y^6+3xy^4$

7. $\frac{25}{4}a^3+\frac{4}{9}ab^2+\frac{9}{25}a+3a^2-\frac{4}{5}ab-\frac{10}{3}a^2b$

8. $9x^2+6x+1$

9. $25-15b+9b^2;$

10. $6ab^3+b^6+9a^2.$

11. $5y^3-40x^6$

12. $x^2+4y^2+4xy-4x-8y+4$

13. $-a^3+3a^2b-3ab^2+b^3$

14. $\frac{1}{5}a^3-\frac{6}{5}a^2+\frac{12}{5}a-\frac{8}{5}$

15. $a^3-8a^2b+16ab^2;$

16. $4a^2+9-12a$

17. $8a^4+18a^2b^2+2b^4+8a^2b^2-24a^3b-12ab^3$

18. $\frac{4}{25}y^2-2y+\frac{25}{4}$

19. $a^2-ab+\frac{1}{4}b^2$

20. $25x^2+49y^2-35xy.$

21. $\frac{1}{8}-\frac{1}{4}x+\frac{1}{6}x^2-\frac{1}{27}x^3$

22. $-1-3a-3a^2-a^3.$

23. $25x^6-\frac{1}{9}x^2y^4$

24. $a^3b^3+3a^2b^2+3ab-1.$

25. $x^2+y^4+1+2xy^2-2x-2y^2$

26. $3x^4+81x;$

27. $4x^2+2xy-8xz+\frac{1}{4}y^2-2yz+4z^2$

28. $3x^3y^2-27x$

29. $y^2+3y-40;$

30. $27x^3y^3+27x^2y^2+9xy+1$

31. $x^3+14x^2y+49xy^2;$

32. $a^3+\frac{1}{27}b^3+a^2b+\frac{1}{9}ab^2$

33. $\frac{1}{5}a^3+\frac{6}{5}a^2+\frac{12}{5}a+\frac{8}{5}$

34. $2x+16x^4$

35. $x^3+15x^2+75x+125$

36. $9y^2+\frac{1}{4}-3y$

37. $y^3+y^2+\frac{1}{3}y+\frac{1}{27}$

38. $x^3-\frac{49}{9}a^2x$

39. $a^2+4b^2+9c^2-6ac-12bc+4ab$

40. $\frac{9}{7}a^2b^2c^2+\frac{6}{7}a^2b^2c+\frac{1}{7}a^2b^2$

41. $4+9b^2-12b;$

42. $a^2+8a+15;$

43. $-x^2+4x+5$

44. $x^3-9xy^2;$

45. $\frac{3}{8}+81y^3$

46. $-2xb^2-4xb-2x$

47. $25a^5b^3-a^3b.$

48. $\frac{9}{16}b^2+ab-2bc+\frac{4}{9}a^2-\frac{16}{9}ac+\frac{16}{9}c^2$

49. $5bc^3-\frac{25}{4}b^2-c^6$

50. $x^5-10x^4+25x^3$

51. $2a^5-250a^2$

52. $x^3+64y^3;$

53. $-\frac{1}{16}x^{10}+1$

54. $-a^3b^3-27.$

55. $27a^3+b^6c^9;$

56. $\frac{2}{3}a^2b+\frac{10}{9}ab^2$

57. $\frac{1}{8}a^6-\frac{1}{2}a^4x-\frac{8}{27}x^3+\frac{2}{3}a^2x^2$

58. $x^6+1+3x^4+3x^2$

59. $a^3-6a^2b+12ab^2-8b^3.$

60. $3x^4-12ax^2+12a^2;$

61. $-27a^3-36ab^4-54a^2b^2-8b^6$

62. $4x^2+\frac{2}{3}xy+\frac{1}{36}y^2+12x+y+9$

63. $8a-8+8x-4ax-2a^2-2x^2$

64. $x^6+a^3;$

65. $a^2+4ab+4b^2$

66. $\frac{2}{3}x^4-\frac{3}{8}y^2$

67. $6a+8a^3-1-12a^2;$

68. $25x^2-9y^2+4-30xy+10x-12y$

69. a^2+a-20

70. $-x^4-16x^2-64$

71. $81a^{10}-24a$

72. $\frac{4}{9}a^6-\frac{4}{3}a^3+1$

73. $x^2-5x-14$

74. $x^2-6xy+9y^2;$

75. $121y^8-49x^2y^4$

76. $\frac{1}{8}a^3b^3+x^3$

77. $a^6x^9-6a^4x^6+12a^2x^3-8$

78. $\frac{27}{8}t^9p^6-125$

79. $15a^4+6a^2b+3a;$

80. $2x^6+12x^4+24x^2+16$

81. $3m^3x^6-3;$

82. $y^9-8;$

83. $7x^2+14xy+7y^2$

84. b^2+2b-8

85. $x^6+4x^8-4x^7+x^3+\frac{1}{4}-2x^4$

86. $5z^2-5$

87. $81-81x+27x^2-3x^3$

88. $\frac{1}{64}x^6y^3-\frac{27}{8}x^3y^6+\frac{27}{16}x^4y^5-\frac{9}{32}x^5y^4$

89. $a^2+\frac{1}{9}x^2-\frac{2}{3}ax$

90. $\frac{8}{27}a^3-1$

91. $a^2+4a-21$

92. $-a^2-8a-15$

93. a^3b^3+1

94. $a^8-2a^6-2a^5+a^4+2a^3+a^2$

95. $12x^3-27x$

96. $\frac{1}{27}-b^6y^6$

97. x^2-49y^2

98. $25a^6b^8-\frac{1}{4}$

99. x^6+64

100. $\frac{1}{2}b^3+\frac{27}{16}c^6$

Risultati degli esercizi da 1 a 50

$(a+2b-3c)^2$

$3x(xy-3)(xy+3)$

$x\left(x-\frac{7}{3}a\right)\left(x+\frac{7}{3}a\right)$

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

$2a(c+7b);$

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

$a^3b(5ab-1)(5ab+1)$

$x(x-3y)(x+3y);$

$(3x+1)^2;$

$(3xy+1)^3$

$(2-3b)^2$

$\left(3a+b^3\right)^2$

$2x\left(1+2x\right)\left(1-2x+4x^2\right)$

$-(2a-1)^3$

$\left(3y-\frac{1}{2}\right)^2$

impossibile perché...]

$\left(\frac{2}{5}y-\frac{5}{2}\right)^2$

$(b-a)^3$

impossibile perché...]

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

$(x+5)^3$

$(2a-3)^2$

impossibile perché...]

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

$-(a+1)^3$

$\left(a-\frac{1}{2}b\right)^2$

$-\left(c^3-\frac{5}{2}b\right)^2$

$-a(7a+b)^2$

$-2x(b+1)^2$

$3\left(\frac{1}{2}+3y\right)\left(\frac{1}{4}-\frac{3}{2}y+9y^2\right)$

$a(a-4b)^2$

$x(x+7y)^2;$

$\frac{1}{7}a^2b^2(3c+1)^2$

$\left(y+\frac{1}{3}\right)^3$

impossibile perché...]

$3x(x+3)(x^2-3x+9);$

$\left(x-y^2\right)^3$

$\left(2x+\frac{1}{2}y-2z\right)^2$

$\frac{1}{5}(a-2)^3$

$\left(x+y^2-1\right)^2$

$\left(\frac{3}{4}b+\frac{2}{3}a-\frac{4}{3}c\right)^2$

$\frac{1}{5}(a+2)^3$

$a\left(\frac{5}{2}a-\frac{2}{3}b+\frac{3}{5}\right)^2$

$(a+3)(a+5)$

$-(x-3)(x-4)$

$-(x-5)(x+1)$

$(x+2y-2)^2$

$5\left(y-2x^2\right)\left(y^2+2x^2y+4x^4\right)$

$(y+8)(y-5)$

$2\left(2a^2-3ab+b^2\right)^2$

$x^3(x-5)^2$

Risultati degli esercizi da 51 a 100

$3(mx^2-1)(m^2x^4+mx^2+1);$

$(3a+b^2c^3)(9a^2-3ab^2c^3+b^4c^6);$

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

$a^2\left(a^3-a-1\right)^2$

$(a-2b)^3$

$\left(x^2+1\right)^3$

$(2a-1)^3$

$\left(\frac{1}{2}a^2-\frac{2}{3}x\right)^3$

$2a^2(a-5)\left(a^2+5a+25\right)$

$(x^2+a)(x^4-ax^2+a^2)$

$\frac{1}{2}\left(b+\frac{3}{2}c^2\right)\left(b^2-\frac{3}{2}bc^2+\frac{9}{4}c^4\right)$

$\left(a^2x^3-2\right)^3$

$\left(\frac{3}{2}t^3p^2-5\right)\left(\frac{9}{4}t^6p^4+\frac{15}{2}t^3p^2+25\right)$

$-(ab+3)(a^2b^2-3ab+9)$

$2(x^2+2)^3;$

$3a(3a^3-2)(9a^6+6a^3+4)$

$\left(-3a-2b^2\right)^3$

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

$[3(3-x)^3]$

$-2(2-a-x)^2$

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

$(a+7)(a-3)$

$-(a+3)(a+5)$

$(5-x)(x+1)$

$(a+5)(a-4)$

[non possibile perché...]

$(b-2)(b+4)$

$(x+5)(x+16)$

$y^4\left(11y^2-7x\right)\left(11y^2+7x\right)$

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

$(x-7)(x+2)$

$\frac{2}{3}ab\left(a+\frac{5}{3}b\right)$

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

$5(z-1)(z+1)$

$(a+2b)^2$

$\left(a-\frac{1}{3}x\right)^2$

$3(x^2-2a)^2;$

$3a\left(5a^3+2ab+1\right)$

$\left(\frac{2}{3}a^3-1\right)^2$

$(x-3y)^2;$

$7(x+y)^2$

$a^3b(5ab-1)(5ab+1)$

$3x(2x-3)(2x+3)$

$(x-7y)(x+7y)$

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

$\left(\frac{1}{3}-b^2y^2\right)\left(\frac{1}{9}+\frac{1}{3}b^2y^2+b^4y^4\right)$

$-\left(x^2+8\right)^2$

$\left(x^2+4\right)\left(x^4-4x^2+16\right)$