



COGNOME \_\_\_\_\_ NOME \_\_\_\_\_

Semplifica le seguenti espressioni:

1.  $0,3x^2y - (1,6x^2y) + (-1,5xy) + (-\frac{2}{3}x^2y) - (0,5xy) - (1,2xy - xy) - x^2y$  \_\_\_\_\_ / 8

2.  $(\frac{1}{10}x^3 + 2x^3 - 0,3x^3)(-5y^2) - (\frac{2}{3} - 1)(3x^3y^2) - \frac{15}{4}xy^2(-\frac{2}{3}x^2 + \frac{2}{5}x^2)$  \_\_\_\_\_ / 7

3.  $-a^4b^2 : b + a^4b^2 : (-a) - a^4b^3 : (a^2b) + (a^2b)(ab) + a^2(a^2b) + a^2b(-b)$  \_\_\_\_\_ / 7

4.  $[2xy^2 + x(-y)^2 + (\frac{2}{5}x^3y^4) : (\frac{1}{10}x^2y^2) + (-xy)^2 : x]^2 : (4xy^3)$  \_\_\_\_\_ / 7

5.  $-[(-2x)^2 - (-y)^3] + \{(xy^2)^3 : (\frac{1}{2}xy)^3 - [x^2y^3 - 2y^3 + 3x(-x) - (-xy)(-xy^2)]\}$  \_\_\_\_\_ / 10

6.  $(a^{2n})^{n+1} : (a^n)^{2n+1} + (a^{n+3})^2 : (a^2)^{n+2} - a^2$  \_\_\_\_\_ / 7

7.  $[(2^{n+3})^2(2^{2n-1})^2] : [(-2^{2n})^3 \cdot 2^3] + [(2^n)^{1+n} : (2^n)^n] : 2^n$  \_\_\_\_\_ / 10

2	3	4	5	6	7	8	9
x=0	0<x<12	12<=x<20	20<=x<30,4	30,4<=x<36	36<=x<44	44<=x<52	52<=x<56

**BUON LAVORO!!!**

