

	Cálculo I
	Professores Paulo Fernando
	Atividade: Lista 1 2/2017
Nome:	Data:

Efetue:

- a. $\left(\frac{7}{6} - \frac{1}{2}\right)^2 \div \frac{11}{5} =$
- b. $\left(\frac{1}{2}\right)^3 + \frac{1}{4} \cdot \frac{7}{2} \div \frac{11}{8} =$
- c. $\frac{\frac{5}{3} - 1}{2 + \frac{1}{2}} =$
- d. $(-3xy^2)^2 =$
- e. $\left(-\frac{2}{3}x^3y^2\right)^2 =$
- f. $(4 \cdot x \cdot 2^{n-1})^3 =$
- g. $\frac{3\sqrt{2^8}}{2 \cdot 3^2} =$
- h. $(a^2 - b^2) - (3a^2 - b^2) =$
- i. $(4a^2b + 3ab^2 - b^2) + (2b^3 - 4a^2b - 4ab^2) =$
- j. $\frac{1}{4}mn^2 + \frac{1}{3}m^2n + \frac{5}{6}m^3 - \left(\frac{1}{6}m^2n - \frac{1}{4}m^3 - \frac{1}{3}mn^2\right) =$
- k. $3xy \cdot (x^2y - xy^2) =$
- l. $2x \cdot (5ax^m + 3bx^{m-1} - 8) =$
- m. $(27a^6 - 9a^4b^4 + 3a^2b^8 - b^{12})(3a^2 + b^4) =$
- n. $\frac{15x^3y^2}{4a^2b^2} \div \frac{5x^2y^4}{2ab^3} =$
- o. $\frac{2(x+2)}{x-2} \div \frac{x+2}{(x+1)(x-2)} =$
- p. $\frac{3x+5}{2} - \frac{2x-9}{3} =$
- q. $\frac{1}{a(a+b)} + \frac{1}{b(a+b)} =$
- r. $\frac{1}{(x+1)(x+2)} - \frac{3}{(x-1)(x+2)} + \frac{3}{(x-1)(x+1)} =$

$$\frac{1+x}{2x} = \frac{1}{\frac{1}{x}+1}$$

s.

$$\frac{1 - \frac{a-1}{a+1}}{\frac{1}{a+1} - \frac{1}{a-1}} =$$

t.

Respostas

a. $20/99$

b. $67/88$

c. $4/15$

d. $9x^2y^4$

e. $\frac{4}{9}x^6y^4$

f. $2^{3n+3} \cdot x^3$

g. $\frac{8}{3}$

h. $-2a^2$

i. $2b^3 - b^2 - ab^2$

j. $\frac{7}{12}mn^2 + \frac{1}{6}m^2n + \frac{13}{12}m^3$

k. $3x^3y^2 - 3x^2y^3$

l. $10ax^{m+1} + 6bx^m - 16x$

m. $81a^8 - b^{16}$

n. $\frac{3bx}{2ay^2}$

o. $2(x+1)$

p. $\frac{5x+33}{6}$

q. $\frac{1}{ab}$

r. $\frac{1}{x^2-1}$

s. $\frac{1}{2}$

t. $x+5$