

Aluno \_\_\_\_\_

Turma \_\_\_\_\_

N.P. \_\_\_\_\_

NOTA \_\_\_\_\_

Data \_\_\_\_\_

N.C. \_\_\_\_\_



**LISTA DE EXERCÍCIOS 8 6ª SÉRIE - MATEMÁTICA**

Resolva as operações abaixo, deixando o resultado na forma de fração irredutível.

|   |  |   |
|---|--|---|
| a) $\left(\frac{2}{5}\right)^2 \cdot \left(\frac{2}{5}\right)^2 =$                            | b) $\left(\frac{1}{3}\right)^2 \cdot \left(\frac{1}{3}\right) =$   | c) $\left(\frac{2}{3}\right) \cdot \left(\frac{2}{3}\right)^{-5} =$             |
| d) $\left(\frac{2}{3}\right)^{-2} =$  | e) $\left(\frac{1}{5}\right)^{-2} =$   | f) $\left(\frac{1}{4}\right)^{-3} =$  |
| g) $\left(\frac{5}{9}\right)^{-2} =$  | h) $\left(\frac{11}{13}\right)^{-2} =$   | i) $\left(\frac{1}{6}\right)^{-3} =$  |
| j) $\left(\frac{1}{3}\right) + \left(-\frac{3}{2}\right)^{-2} =$                              | k) $\left(\frac{1}{5}\right)^{-2} \cdot \left(-\frac{1}{4}\right)^3 =$                                     | l) $(0,7)^{-2} \cdot \left(-\frac{3}{10}\right)^2 =$                            |
| m) $\left(\frac{1}{3}\right)^{-3} : \left(-\frac{1}{3}\right)^{-1} =$                         | n) $\left(\frac{3}{7}\right)^{-2} : \left(-\frac{2}{5}\right) =$   | o) $\left(-\frac{2}{3}\right)^{-2} + \left(-\frac{1}{3}\right)^{-2} =$          |
| p) $\left[\left(-\frac{2}{5}\right) + \left(-\frac{3}{10}\right)\right]^{-2} \cdot (-0,49) =$ | q) $\left[\left(\frac{1}{4}\right) + \left(-\frac{3}{8}\right) + \left(+\frac{16}{3}\right)\right]^{-2} =$ | r) $\left(\frac{1}{3} + \frac{2}{6} + \frac{3}{9} + \frac{4}{12}\right)^{-2} =$ |

Gabarito:

a)  $\frac{16}{625}$  b)  $\frac{1}{27}$  c)  $\frac{81}{16}$  d)  $\frac{9}{4}$  e) 25 f) 64 g)  $\frac{81}{25}$  h)  $\frac{169}{121}$  i) 216 j)  $\frac{7}{9}$  k)  $-\frac{25}{64}$  l)  $-\frac{9}{49}$

m) -9 n)  $-\frac{98}{45}$  o)  $\frac{45}{4}$  p) -1 q)  $\frac{16}{49}$  r)  $\frac{9}{16}$