

Nome: \_\_\_\_\_ nº: \_\_\_\_\_ T. \_\_\_\_\_ Data: \_\_\_\_\_

6.3.19b Potenciação e Radiciação

1. Efetue as operações:

a)  $\frac{\sqrt{49}}{8^2} =$

e)  $\frac{2^3}{\sqrt{81}} =$

i)  $\frac{\sqrt{400}}{4^2} =$

b)  $\frac{9^2}{\sqrt{16}} =$

f)  $\frac{\sqrt{36}}{7^2} =$

j)  $\frac{\sqrt{169}}{\sqrt{121}} =$

c)  $\frac{\sqrt{1}}{\sqrt{4}} =$

g)  $\frac{11^2}{3^2} =$

k)  $\frac{15^2}{\sqrt{4}} =$

d)  $\frac{5^2}{6^2} =$

h)  $\frac{\sqrt{9}}{\sqrt{25}} =$

l)  $\frac{8^2}{5^2} =$

2. Calcule o valor das expressões:

a)  $\sqrt{\frac{100}{36}} - \sqrt{\frac{1}{4}} =$

b)  $\left[\frac{7}{6}\right]^2 - \left[\frac{4}{6}\right]^2 =$

c)  $\sqrt{\frac{121}{9}} + \left[\frac{4}{3}\right]^2 =$

d)  $\left[\frac{2}{6}\right]^2 + \sqrt{\frac{49}{324}} =$

e)  $\sqrt{\frac{196}{25}} + \sqrt{\frac{64}{100}} =$

f)  $\left[\frac{5}{2}\right]^2 - \left[\frac{3}{4}\right]^2 =$