

Gabarito: Potenciação, Equações exponenciais, Funções exponenciais e Logaritmos

Prof: Felipe Figueiredo

<http://sites.google.com/site/proffelipefigueiredo>

1.
 - (a) 3^6
 - (b) 5^3
 - (c) 2^7
 - (d) 2^3
 - (e) 3^5
 - (f) $7^{-8} = \frac{1}{7^8}$
 - (g) 2^6
 - (h) 5^{20}
 - (i) 1
 - (j) $\frac{1}{3}$
 - (k) $\frac{1}{5^2}$
 - (l) 2^3
 - (m) 3^2
 - (n) $5^0 = 1$
 - (o) 5^9
 - (p) 3^5
 - (q) $2^0 = 1$
2.
 - (a) $x = 5$
 - (b) $x = 6$
 - (c) $x = 2$
 - (d) $x = \frac{2}{3}$
 - (e) $x = -\frac{1}{2}$
 - (f) $x = -\frac{1}{2}$
 - (g) $x = -2$
 - (h) $2x = 1 \Rightarrow x = \frac{1}{2}$
 - (i) $x + 1 = \frac{1}{2} \Rightarrow x = -\frac{1}{2}$
 - (j) $x = -\frac{1}{2}$
 - (k) $1 - x = 0 \Rightarrow x = 1$
 - (l) $-x = 2 \Rightarrow x = -2$
 - (m) $-2x = 3 \Rightarrow x = -\frac{3}{2}$

3. (a)
(b)
(c)
4. (a) 1
(b) 0
(c) 0
(d) 2
(e) -5
(f) -4
(g) -5
(h) $\frac{2}{3}$
(i) -1
(j) -1
(k) $-\frac{3}{2}$