

## EJERCICIOS EXTRA

Resuelve:

1.  $4^x + 2^x - 72 = 0$

2.  $5^x + 5^{x+1} = 30$

3.  $4^x \cdot 20^x = 25 \cdot 16^x$

4.  $4^{2x+4} = \sqrt{8}$

5.  $3^{4x^2+6x} = 3^{8x^3+3}$

6.  $7^{x+1} - 5 \cdot 7^{-x} + 34 = 0$

7.  $\sqrt{5^x} \cdot \sqrt{2^x} \geq (1/10)^{2x-4}$

8.  $\left(\frac{1}{7}\right)^{\frac{x}{(x-2)^2}} < \left(\frac{1}{7}\right)^{\frac{-x+6}{(x-2)(x-3)}}$

9.  $\sqrt{x^3-1} - \frac{4x-1}{\sqrt{x^3-1}} \leq 0$