

$$\left(\frac{7}{7}\right)^{x-3} = 49^{2x}$$

$$7^{x-3} = 7^{4x}$$

$$x-3 = 4x$$

$$x-4x = -3$$

$$-3x = -3$$

$$x = 1$$

$$4) D = 30,000,000 \left(\frac{3}{15} \right) = 6,000,000$$

$$5) D = 30,000,000 \left(\frac{3}{6} \right) = 15,000,000$$

$$6) V = 30,000,000$$

$$i = 2,45\%$$

$$T = 1 \text{ año}$$

$$i = 30,000,000 \cdot 2,45\% \cdot 1 = 735,000$$
$$= 30,735,000$$

$$7) \log_2(x^3) = 3 \log_2(x) = 10$$

$$\log_2(x^2 \cdot x^3) = 10$$

$$2^{10} = 1024$$

$$\sqrt[5]{1024}$$

$$x = 4$$