

$$1. A(x) = X(S/X) = 5$$

$$4 D = 30.000.000 \left(\frac{U=12}{S=6} \right) \quad S = 3+2+1=6$$

$$= 12 \div 6 = 2$$

$$= 30.000.000 \div 2 = 15.000.000 \text{ en el primer año}$$

$$5 D = 30000.000 \left(\frac{U=36}{S=18} \right)$$

Ultimo punto

$$\left(\frac{3}{5} \right)^{X-3} = \left(\frac{25}{9} \right)^{2X+3}$$

$$\left(\frac{3}{5} \right)^{X-3} = \left(\frac{3}{5} \right)^{-4X-6}$$

$$X-3 = -4X-6$$

$$X+4X = -6+3 = 5X = -6+3 =$$

$$5X = -3$$

$$X = -\frac{3}{5}$$

$$X = -0,6$$

$$7. \log_2(x^2) + 3\log_2(x) = 10$$

$$\log_2(x^2) + 3\log_2(x) = 10, x(0+\infty)$$

$$2\log_2(|x|) + 3\log_2(x) = 10$$

$$2\log_2(x) + 3\log_2(x) = 10$$

$$5\log_2(x) = 10$$

$$\log_2(x) = 2$$

$$x = 2^2$$

$$x = 4$$