

Exercice contrôle :

$$1) \left(1 + \frac{-20}{100}\right) \times \left(1 + \frac{-30}{100}\right) \times \left(1 + \frac{40}{100}\right) - 1 = -0,216 = -21,6\%$$

$$2) I = \frac{VA}{Vd} \times 100 = \frac{89000}{72000} \times 100 \approx 124$$

$$3) m_n = n_0 \times q^n$$

$$m_3 = 5 \times 2^3 = 40$$

$$m_4 = 5 \times 2^4 = 80$$

$$4) v_n = v_0 + n \times r$$

$$v_4 = 3 + 4 \times 7 = 31$$

$$v_5 = 31 + 7 = 38 \text{ ou } v_5 = 3 + 5 \times 7 = 38$$

$$5) w_1 = 2 \times w_0 + 4 = 2 \times 1 + 4 = 6$$

$$w_2 = 2 \times 6 + 4 = 16$$

$$w_3 = 2 \times 16 + 4 = 36$$

Exercice 6:

$$1a. m_1 = 1600 \times 1,01 = 1616$$

$$m_2 = 1616 \times 1,01 = 1632,16$$

$$1b. U_{n+1} = U_n \times 1,01$$

$$1c. m_n = 1600 \times 1,01^n$$

$$m_n = 1600 \times 1,01^n$$