

$$\textcircled{1} \quad A = P \left(1 + \frac{r}{n}\right)^{nt}$$

$$P = \$ 100,000$$

$$r = 10\% \text{ (0.10 anual)}$$

$$n = 1 \text{ (anualmente)}$$

$$t = 5 \text{ años}$$

CAPITAL = \$161,051  
FINAL

$$A = 100,000 \left(1 + \frac{0.10}{1}\right)^{1 \times 5}$$

$$A = 100,000 (1 + 0.10)^5$$

$$A = 100,000 (1.10)^5$$

$$A = 100,000 \times 1.61051$$

$$A = 161,051$$

$$② P = \frac{A}{(1 + \frac{r}{n})^{nt}}$$

$$A = \$250,000$$

$$r = 12\% \cdot (0.12)$$

$$n = 1 \text{ (por el año)}$$

$$t = 3$$

$$P = \frac{250,000}{(1 + 0.12)^3}$$

$$P = \frac{250,000}{(1.12)^3}$$

$$P = \frac{250,000}{1.404}$$

$$P = 178,062.678$$

**CAPITAL = \$178,062.678**  
**INICIAL**

$$\begin{array}{r}
 178062.678 \\
 1404 \overline{) 250000.000000} \\
 \underline{1404} \phantom{000000} \\
 70960 \phantom{000000} \\
 \underline{- 9828} \phantom{000000} \\
 11320 \phantom{000000} \\
 \underline{- 11232} \phantom{000000} \\
 0088000 \\
 \underline{- 88424} \phantom{00000} \\
 03760 \phantom{00000} \\
 \underline{- 2808} \phantom{00000} \\
 99520 \phantom{00000} \\
 \underline{- 10964} \phantom{00000} \\
 98200 \phantom{00000} \\
 \underline{- 11320} \phantom{00000} \\
 112320 \\
 \underline{- 88} \\
 88
 \end{array}$$

$$\textcircled{3} \quad r = n \left( \left( \frac{A}{P} \right)^{\frac{1}{nt}} - 1 \right)$$

$$A = \$500,000$$

$$P = \$150,000$$

$$n = 1 \text{ (por el año)}$$

$$t = 5$$

$$r = 1 \left( \left( \frac{500,000}{150,000} \right)^{\frac{1}{1 \times 5}} - 1 \right)$$

$$r = \left( \left( \frac{500,000}{150,000} \right)^{\frac{1}{5}} - 1 \right)$$

$$r = \left( \left( \frac{500}{150} \right)^{\frac{1}{5}} - 1 \right)$$

$$r = 3.333^{\frac{1}{5}} - 1$$

$$\text{SI } r = 1.2722 - 1$$

$$r = 0.2722$$

$$\begin{array}{r} 3.333 \\ 150 \overline{) 500} \\ \underline{- 450} \phantom{0} \\ 500 \\ \underline{- 450} \phantom{0} \\ 500 \\ \underline{- 450} \phantom{0} \\ 500 \\ \underline{- 450} \phantom{0} \\ 500 \\ \underline{- 450} \phantom{0} \\ 500 \\ \underline{- 450} \phantom{0} \\ 50 \end{array}$$

TASA DE INTERES = 0.2722 = 27.22%  
ANUAL aprox

$$\textcircled{4} A = P \left(1 + \frac{r}{n}\right)^{nt}$$

$$P = \$120,000$$

$$r = 0.11 \text{ (11\%)}$$

$$n = 1 \text{ (anualmente)}$$

$$t = 5 \text{ años}$$

$$A = 120,000 \left(1 + \frac{0.11}{1}\right)^{1 \times 5}$$

$$A = 120,000 (1 + 0.11)^5$$

$$A = 120,000 (1.11)^5$$

$$A = 120,000 \times 1.685058 \quad A = 202,206.96$$

$$\begin{array}{r} 120,000 \\ \times 1.685058 \\ \hline 960,000 \\ 600,000 \\ 600,000 \\ 600,000 \\ 600,000 \\ \hline 720,000 \\ \hline 120,000 \\ \hline 202,206.96 \end{array}$$

CAPITAL FINAL = 202,206.96 aprox