

Ejercicio 1

$$\begin{aligned} 5) \quad & 3^4 - 3^2 + 3^5 - 3^2 = \\ & = 81 - 9 + 243 - 9 = \\ & = 72 + 243 - 9 = \\ & = 315 - 9 = \\ & = 306 \end{aligned}$$

$$\begin{aligned} 7) \quad & 3 \cdot 2^3 - (3-4)^4 + 2 \cdot 3^2 = \\ & = 3 \cdot 8 - (-1)^4 + 2 \cdot 9 = \\ & = 3 \cdot 8 - 1 + 2 \cdot 9 = \\ & = 24 - 1 + 18 = \\ & = 41 \end{aligned}$$

$$\begin{aligned} 9) \quad & 5^2 : (5^0 - 4^0 + 1^3) - 3^2 = \\ & = 25 : (1 - 1 + 1) - 9 = \\ & = 25 : 1 - 9 = \\ & = 25 - 9 = \\ & = 16 \end{aligned}$$

$$\begin{aligned} 6) \quad & 3^2 - 4^3 + 5^2 = \\ & = 9 - 64 + 25 = \\ & = -55 + 25 = \\ & = -30 \end{aligned}$$

$$\begin{aligned} 8) \quad & 3^2 \cdot (2^2 + 1) - (3^2 - 4^2) : 2^0 = \\ & = 9 \cdot (4 + 1) - (9 - 16) : 1 = \\ & = 9 \cdot 5 - (-7) : 1 = \\ & = 45 - (-7) = \\ & \quad \downarrow \\ & = 45 + (+7) = 52 \end{aligned}$$

$$\begin{aligned} 10) \quad & 2^{10} : 2^8 \cdot 3^2 - 4^2 : 2^4 = \\ & = 2^2 \cdot 3^2 - 16 : 16 = \\ & = 4 \cdot 9 - 16 : 16 = \\ & = 36 - 1 = \\ & = 35 \end{aligned}$$