

10A

16/11/20

43

$$\begin{aligned} a) & 6^2 - 5^2 \cdot 4^2 + 7^2 = \\ & = 36 - 25 \cdot 16 + 49 = \\ & = 36 - 400 + 49 = \\ & = -364 + 49 = -315 \end{aligned}$$

$$\begin{array}{r} 364 \\ - 49 \\ \hline 315 \end{array}$$

$$\begin{aligned} b) & (3-5)^2 : (-1) \cdot 6 - 5^2 = \\ & = (-2)^2 : (-1) \cdot 6 - 5^2 = \\ & = 4 : (-1) \cdot 6 - 25 = \\ & = -4 \cdot 6 - 25 = \\ & = -24 - 25 = \\ & = -49 \end{aligned}$$

$$\begin{aligned} c) & 3^4 - 2 \cdot 3^3 + 5 \cdot 3^2 - 6 \cdot 3 + 3^0 = \\ & = 81 - 2 \cdot 27 + 5 \cdot 9 - 6 \cdot 3 + 1 = \\ & = 81 - 54 + 45 - 18 + 1 = \\ & = 27 + 45 - 18 + 1 = \\ & = 72 - 18 + 1 = \\ & = 54 + 1 = \\ & = 55 \end{aligned}$$

$$\begin{aligned}
 d) & 5 - 3 \cdot [4 - \underbrace{12 : (-6)}] ^2 = \\
 & = 5 - 3 \cdot [4 - \underbrace{(-2)}] ^2 = \\
 & = 5 - 3 \cdot [4 + \underbrace{(+2)}] ^2 = \\
 & = 5 - 3 \cdot \underbrace{6} ^2 = \\
 & = 5 - \underbrace{3 \cdot 36} = \\
 & = 5 - \underbrace{108} = \\
 & = -103
 \end{aligned}$$

$$\begin{aligned}
 e) & -(-2^3) - 3 \cdot [5^2 - (\underbrace{4^2 - 2^2})] = \\
 & = -(-2^3) - 3 \cdot [25 - (\underbrace{16 - 4})] = \\
 & = -(-2^3) - 3 \cdot [25 - \underbrace{12}] = \\
 & = -(\underbrace{-2^3}) - 3 \cdot 13 = \\
 & = -(\underbrace{-8}) - \underbrace{3 \cdot 13} = \\
 & = 0 - (-8) - 39 = \\
 & = 0 + \underbrace{(+8)} - 39 = \\
 & = -31 =
 \end{aligned}$$

44 de la pág. 57 (calcula)

$$\begin{aligned}
 a) \quad & \underline{5^2} - \underline{2^4} \cdot \underline{2^3} - \underline{3^2} = \\
 & = 25 - \underline{16 \cdot 8} - 9 = \\
 & = \underline{25 - 128} - 9 = \\
 & = -103 - 9 = \\
 & = -112
 \end{aligned}$$

$$\begin{aligned}
 b) \quad & -\underline{2^2} - \underline{2^4} + \underline{(-2)^3} = \\
 & = \underline{-4 - 16} + (-8) = \\
 & = -20 + (-8) = \\
 & = -28
 \end{aligned}$$

$$\begin{aligned}
 c) \quad & \underline{7^2} - (\underline{2^6} - \underline{5^2}) + 8 = \\
 & = 49 - (\underline{64 - 25}) + 8 = \\
 & = \underline{49 - 39} + 8 = \\
 & = 10 + 8 = \\
 & = 18
 \end{aligned}$$

45 Apartados a), b), c), d) y e)

TAREA

a)