

# Taller 8

1)

a) 10 a 16

$$\begin{array}{r|l} 611 & 16 \\ 3 & 33 \end{array} \begin{array}{r|l} 16 \\ 6 & 2 \end{array}$$

$$611 = 263$$

c) 5000 | 16

$$\begin{array}{r|l} 8 & 312 \\ 8 & 19 \\ 3 & 1 \end{array}$$

$$5000 = 1388$$

b) 48

$$\begin{array}{r|l} 48 & 16 \\ 0 & 3 \end{array}$$

$$48 = 30$$

d) 6199

$$6199 = 1837$$

$$\begin{array}{r|l} 6199 & 16 \\ 7 & 387 \\ 3 & 29 \\ 8 & 1 \end{array}$$

2) ~~8~~ 8 → 10

a)  $500 = (5 \times 8^2) + (0 \times 8^1) + (0 \times 8^0) = 320$

b)  $485 = (4 \times 8^2) + (8 \times 8^1) + (15 \times 8^0) = 325$

c)  $5445 = (5 \times 8^3) + (4 \times 8^2) + (4 \times 8^1) + (5 \times 8^0) = 2853$

d)  $277 = (2 \times 8^2) + (7 \times 8^1) + (7 \times 8^0) = 191$

3)

a)  $75.202,53 + 0,009997$

$$0,7520253 \times 10^2 + 0,9997 \times 10^{-2}$$

$$0,7517 \times 10^1 = 1,7517$$

$$10^{2+(-2)} = 10^0$$

b)  $533,075 - 38.611,007$

$$0,533075 \times 10^3 - 0,38611007 \times 10^{-5}$$

$$0,533075 - 0,0000000038611$$

$$= 0,5330749961 \times 10^3$$

$$c) 0,38654 \cdot 0,00012097$$

$$0,38654 \cdot 0,12097 \times 10^{-3}$$

$$0,046759 \times 10^{-3}$$

$$\underline{0,46759 \times 10^{-2}}$$

$$d) 37,86093 / 0,000103862$$

$$0,3786093 \times 10^2 / 0,103862 \times 10^{-3}$$

$$10^{2-(-3)} = 10^5$$

$$3,64531 \times 10^{-5}$$

$$\underline{= 0,364531 \times 10^{-6}}$$