

Taller 1.

1

a) $611 = 263$

$$\cdot 611 \div 16 = 38$$

residuo $\rightarrow 3$

$$\cdot 38 \div 16 = 2$$

6 \rightarrow residuo

$$\cdot 2 \div 16 = 0$$

2 \rightarrow residuo

b) $48 \rightarrow 30$

$$48 \div 16 = 3$$

0 \rightarrow residuo

$$3 \div 16 = 0$$

3 \rightarrow residuo

c) $5000 = 1388$

$$5000 \div 16 = 312$$

8 \rightarrow residuo

$$312 \div 16 = 19$$

8 \rightarrow residuo

$$19 \div 16 = 1$$

3 \rightarrow residuo

$$1 \div 16 = 0$$

1 \rightarrow residuo

d) $6199 = 1837$

$$\cdot 6199 \div 16 = 387$$

7 \rightarrow residuo

$$\cdot 387 \div 16 = 24$$

3 \rightarrow residuo

$$\cdot 24 \div 16 = 1$$

8 \rightarrow residuo

$$1 \div 16 = 0$$

1 \rightarrow residuo

2.a) $500_8 = 320$

$$5 \cdot 8^2 + 0 \cdot 8^1 + 0 \cdot 8^0 = 320$$

b) $485_8 = 325$

$$4 \cdot 8^2 + 8 \cdot 8^1 + 5 \cdot 8^0 = 325$$

c) $5446_8 = 2853$

$$5 \cdot 8^3 + 4 \cdot 8^2 + 4 \cdot 8^1 + 6 \cdot 8^0 = 2853$$

d) $277 = 191$

$$2 \cdot 8^2 + 7 \cdot 8^1 + 7 \cdot 8^0 = 191$$