Tema 2 (3.9). a)
$$10001_{12} = 10.16^{\circ} + 1.2^{\circ} + 1.2^{\circ} + 17_{(10)}$$
b) $3A_{(16)} = 10.16^{\circ} + 3.16' = 10_{(10)}$
c) $122_{(6)} = 2.6^{\circ} + 2.6' + 1.6^{\circ} = 50_{(10)} = 302_{(4)}$

$$\frac{50}{48} \frac{4}{12} \frac{4}{12} \frac{4}{3} \frac{4}{12} \frac{4}{3} \frac{4}{12} \frac{4}{3} \frac{4}{12} \frac{4}{3} \frac{4}{12} \frac{4}{3} \frac{4}{12} \frac{4}{3} \frac{4}{3}$$

$$(4.9.) \quad 29^{89} \text{ mad } 97 = 29 \cdot 29^{\frac{2.99}{2}} = 29 \cdot (29^{2})^{\frac{14}{5}} = 29 \cdot (65^{2})^{\frac{22}{5}} = 29 \cdot (59^{2})^{\frac{11}{5}} = 29 \cdot (65^{2})^{\frac{22}{5}} = 29 \cdot (65^{2})^{\frac{22$$

$$3. 23 \text{ a) } 1011_{(2)} = 14 \frac{1}{100} \text{ i.b.} \frac{1}{25(10)} = 1/(10)$$

$$= 1. 2^{\circ} + 1. 2 + 1. 2^{3} = 1/(10)$$

$$5/2B_{(16)} = 1/.16^{\circ} + 2.16 = 43(10)$$

$$(1) 343_{(5)} = 3.5^{\circ} + 4.5 + 3.5^{2} = 3 + 20 + 75 = 198_{(10)} = 1202_{(4)}$$

$$\frac{96}{24} \frac{1}{4} \frac{1}{$$

$$\frac{(6.23)}{6.23} \frac{89^{163} \pmod{167}}{89^{163} \pmod{167}} = 89 (89^{2})^{81} = 89. 72 (72^{2})^{40} = 62 \cdot (7^{2})^{20} = 62 \cdot (49^{2})^{10} = 62 \cdot (63^{2})^{10} = 62 \cdot (63^{2})^{10} = 62 \cdot (28^{2})^{10} = 62 \cdot (28^{2})^{10$$