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## Exercice noté

l. Conversions de bases

b)  $2^3 AA3_{16} = 2 \times 16^3 + 10 \times 16^2 + 10 \times 16' + 3 \times 16^2$ = 4096 + 2560 + 160 + 3=  $6819_{10}$ 

Rép.: 681910

- c) 1)  $4B_{16} = 4 \times 16' + 11 \times 16''$ 
  - 2) 75 <u>L</u>2 74 <u>37 | 2</u> 1 <u>36 | 8 | 2</u> 1 18 9 | 2 0 8 <u>4 | 2</u> 1 <u>2 | 2 | 2</u> 0 2 - 0 0

Rép: 4B16 = 10010112

Hilroy

d) 
$$1011 Lle$$
 $1008 63 1lb$ 
 $3 46 3 1lb$ 
 $3 46 3 1lb$ 
 $3 5 0 3 3 53$ 

Rép.:  $0 \times 3F3$ 

e)  $e^{1} = 14 \times 16^{1} + 14 \times 16^{2}$ 
 $= 238$ 

Rép.:  $0 \times e^{2} = 238$ 

2.  $17 \cdot 0 = 5 \text{ bits}$ 
 $17 \cdot 12 \qquad F_{10} = 10001_{2}$ 
 $16 \cdot 16 \qquad F_{10} = 10001_{2}$ 
 $16 \cdot 16 \qquad F_{10} = 10001_{2}$ 
 $16 \cdot 16 \qquad F_{10} = 10001_{2}$ 
 $10001 \text{ dija sur 5 bits}$ 
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5. 9-4-5

5+10=15

15 - (2×3) = (9)

Rep.: 9-4+10-(2×3)=9

