

# FALATWO (A)

① mod 8  $1 \cdot 3^4 + 2 \cdot 3^3 + 0 \cdot 3^2 + 2 \cdot 3^1 + 0 \cdot 3^0 =$   
~~mod 8~~  $81 + 54 + 0 + 6 + 0 = 141$   $\xrightarrow{10} 36 (204)$

②  $(1614)_{10} = 1614 : 7 = 230 \text{ res. } 4 \checkmark$   $\xrightarrow{4} 54642$   
 $230 : 7 = 32 \text{ res. } 6 \checkmark$   
 $32 : 7 = 4 \text{ res. } 4 \checkmark$   
 $4 : 7 = 0 \text{ res. } 4 \checkmark$   $\xrightarrow{3,5h} (25)$

③  $123_4 + 212_4 = 331_4$   
 $\begin{array}{r} 123 \\ 212 \\ \hline 331 \end{array}$   $\xrightarrow{5,4:1} 1h (23)$

④  $\begin{array}{r} 101 \\ 11101 \\ \hline 11101 \\ 00000 \\ 11101 \checkmark \\ 11101 \checkmark \\ 11101 \checkmark \\ \hline 100100001 \\ 100100001 \checkmark \end{array}$   $\xrightarrow{1h} (20h)$

⑤ a)  $2794 = MMDCXCIV$   $\xrightarrow{2h} (22)$

b)  $896 = DCCCXCVI$   $\xrightarrow{2h} (22)$

⑥  $MMMDCXIX = 3569$   $\xrightarrow{2h} (22)$

$MCDI = 1401$   $\xrightarrow{2h} (22)$

$\leq 15,5h$  (2)