

(Lecture no  
3)

Compliments

i)  $(11010)_2$

$$\begin{array}{r} 11110 \\ 11010 \\ \hline 00100 \end{array}$$

ii)  $(7210)_{10}$

$$\begin{array}{r} 9910 \\ 7210 \\ \hline 2790 \end{array} \text{ Compliment}$$

iii)  $(6030)_8$

$$\begin{array}{r} 7780 \\ 6030 \\ \hline 1750 \end{array} \text{ Compliment}$$

iv)  $(ABC)_{16}$

$$\begin{array}{r} 15 \quad 15 \quad 16 \\ 10 \quad 11 \quad 12 \\ \hline 5 \quad 4 \quad 4 \end{array} \text{ Compliment} \quad r's$$

$$\begin{array}{r} 15 \quad 15 \quad 15 \\ 10 \quad 11 \quad 12 \\ \hline 5 \quad 4 \quad 3 \end{array} \text{ Compliment} \quad (r-1)'s$$