

HW2: Number Systems

1. Base Conversions:

a. $(110111001)_2 \rightarrow (?)_{16}$

b. $(3701)_8 \rightarrow (?)_2$

c. $(3AC7)_{16} \rightarrow (?)_{10}$

d. $(110111001)_2 \rightarrow (?)_{10}$

2. Perform binary addition for the following: $(10101110)_2 + (1101101)_2$.

3. Convert each decimal value into binary and perform binary addition: $(43)_{10} + (18)_{10} + (27)_{10}$.

