

King Fahd University of Petroleum & Minerals
Department of Electrical Engineering

EE200-03 (051)

Homework # 2

1. Find the $(r-1)$'s complements of the following numbers: $(498530)_{10}$, $(A9C.5)_{16}$, $(110110)_2$, and $(100000,011)_2$.
2. Perform the binary subtraction $110110 - 11101$ using the 2's complement.
3. Represent the signed numbers $(+75)$ and (-52) in binary using 8 bits. Then add the two numbers and convert the sum to decimal.
4. Represent the decimal number 482.5 using BCD and 2421 codes.
5. Represent the message " Home Work 2 is due" in ASCII using the hexadecimal representation.