Galala University, Faculty of Computer Science and Engineering

CSE 131 Logic Design

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<div align="center">Homework 1</div>

Determine the decimal equivalent of the following numbers

- $(1101)_2$
- $(EE)_{16}$
- $(56)_8$

Determine the base of the numbers in each case for the following operations to be correct:

(a) $14/2 = 5$ (b) $54/4 = 13$ (c) $24+17=40$

Obtain the 1's and 2's complement of the following binary numbers:
a) 11101010 b) 01111110 c) 00000001 d) 10000000 e) 00000000