**Assembly Language – Basic Concepts (1)**

| Group: | Student ID: | Name: |
| --- | --- | --- |
| Student ID: | Name: |

1-1 Data Representation、Boolean Operation

Objective: Convert number between decimal, binary and hexadecimal.

1. Complete the number in table below using decimal, 8-bit binary (in 2’s complement format), and hexadecimal.

| Decimal | 8-bit binary  (2’s complement) | Hexadecimal  (2’s complement) |
| --- | --- | --- |
| 2 | 00000010 | 02 |
|  |  | 5a |
|  | 11101101 |  |
| -128 |  |  |