

III. Write the decimal numbers below as octal (base 8) numbers

- |        |          |
|--------|----------|
| 1) 9   | 1) _____ |
| 2) 15  | 2) _____ |
| 3) 71  | 3) _____ |
| 4) 101 | 4) _____ |
| 5) 200 | 5) _____ |
| 6) 240 | 6) _____ |

IV. Write the decimal numbers below as hexadecimal (base 16) numbers

- |        |          |
|--------|----------|
| 1) 9   | 1) _____ |
| 2) 15  | 2) _____ |
| 3) 71  | 3) _____ |
| 4) 101 | 4) _____ |
| 5) 200 | 5) _____ |
| 6) 240 | 6) _____ |

V. Write the hexadecimal below as decimal (base 10) numbers

- |       |          |
|-------|----------|
| 1) 12 | 1) _____ |
| 2) A3 | 2) _____ |
| 3) B5 | 3) _____ |
| 4) ED | 4) _____ |

Answer the following - (0.5 points each)

I. Write the binary numbers below as decimal (base 10) numbers

- 1) 111 1) \_\_\_\_\_
- 2) 1010 2) \_\_\_\_\_
- 3) 10100 3) \_\_\_\_\_
- 4) 1000001 4) \_\_\_\_\_
- 5) 10101010 5) \_\_\_\_\_

II. Write the decimal numbers below as binary (base 2) numbers

- 1) 9 1) \_\_\_\_\_
- 2) 15 2) \_\_\_\_\_
- 3) 71 3) \_\_\_\_\_
- 4) 101 4) \_\_\_\_\_
- 5) 200 5) \_\_\_\_\_
- 6) 240 6) \_\_\_\_\_

III. Answer the following

- 1) What is the largest decimal number that can be stored in a byte? 1) \_\_\_\_\_
- 2) (True or False) A BIT can store a single character. 2) \_\_\_\_\_
- 3) How many bits are in a byte? 3) \_\_\_\_\_

**OVER**