**Convert the following numbers from base 10 into base 2**

9 \_\_\_\_\_\_\_\_\_

100 \_\_\_\_\_\_\_\_\_

55 \_\_\_\_\_\_\_\_\_

250 \_\_\_\_\_\_\_\_\_

**Convert from base 2 to base 10**

0000 1111 \_\_\_\_\_\_\_\_\_

0110 1001 \_\_\_\_\_\_\_\_\_

0011 1101 \_\_\_\_\_\_\_\_\_

1001 0011 \_\_\_\_\_\_\_\_\_

**Convert from base 16 to base 10**

3E \_\_\_\_\_\_\_\_\_

A07 \_\_\_\_\_\_\_\_\_

**Use the ASCII table to fill in the following blanks:**

|  |  |  |
| --- | --- | --- |
| **Character** | **Decimal Number** | **Binary Number** |
| A |  |  |
|  |  | 1100001 |
|  | 70 |  |

