

**Name: Huimei Wu**

## **Assignment 2.2: Binary Decimal Worksheet**

Convert the following decimal numbers to binary:

$$0 = 0$$

$$20 = 10100$$

$$1 = 1$$

$$32 = 100000$$

$$2 = 10$$

$$42 = 101010$$

$$3 = 11$$

$$64 = 1000000$$

$$4 = 100$$

$$65 = 1000001$$

$$5 = 101$$

$$66 = 1000010$$

$$12 = 1100$$

$$67 = 1000011$$

$$15 = 1111$$

$$88 = 1011000$$

Convert the following binary numbers to decimal:

$$111 = 7$$

$$101010101 = 341$$

$$110011 = 51$$

$$1001001 = 73$$