Number Systems Quiz (Key)

**Number Systems**

1. Convert the following numbers from binary to decimal.
   1. 111 b. 1001

7 9

* 1. 11010 d. 11110

26 30

1. Convert the following numbers from hex to decimal.
   1. D b. 10

13 16

* 1. 2B d. 91

00101011 10010001

**Number Conversion**

1. Convert the following numbers from binary to decimal.
   1. 101010 b. 1011001

42 89

1. Convert the following binary numbers to hex.
   1. 10110010 b. 101010001111

B2 A8F

1. Convert the following decimal numbers to binary using ladder technique.
   1. 39 b. 252  
        
      100111 11111100

1. Convert the following decimal numbers to binary using positional notation technique.
   1. 36 b. 130  
        
      100100 10000010

1. Convert the following hexadecimal numbers to binary.
2. E7 b. 5BC

11100111 010110111100