

CSC 102 Conversion of Bases

Convert the given number to the indicated base.

1. Convert $001\ 011\ 101\ 011_2$ to decimal.

$1.0111010112 \times 10^{10}$

2. Convert $1CAB_{16}$ to binary.

1110010101011

3. Convert $0110\ 1011\ 1110_2$ to decimal.

$1.10101111102 \times 10^{11}$

4. Convert $C3D_{16}$ to decimal.

3133

5. Convert $6BE_{16}$ to binary.

11010111110

6. Convert $1011\ 0111\ 0100_2$ to hexadecimal.

$B74$

7. Convert 3133_{10} to binary.

1001100011111

8. Convert $1\ 110\ 010\ 101\ 011_2$ to decimal.

$1.1100101010112 \times 10^{13}$

9. Convert $2EB_{16}$ to binary.

1011101011

10. Convert $1100\ 0011\ 1101_2$ to hexadecimal.

C3D

Double check your work!