CSCI-21 Quiz #2

Name I smael Cortez

Please use pencil and erase mistakes. No electronic devices of any type. If you need more scratch room, use the back. 10 points.

What are the two primary things that the base of a number system tells you? Illustrate (give an example of) each of these things for base 13. (4 points)

2) It tells you about the place values for a number expressed in that base which are always powers of '6'. Usually 15/ actually -

Consider base 13:

1)
$$5 = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C3, | \{53\} = 13 \text{ of}$$

2) 4.45 has place values 13^2 $13'$ $13'$.

Convert the following unsigned binary numbers to decimal, octal and hexadecimal (6 points - 1 each):