

NAME \_\_\_\_\_

Homework 3: Perform the following Number Base Conversion

1.  $01011110_2 = \underline{\hspace{2cm}}_8$

2.  $11100011011_2 = \underline{\hspace{2cm}}_8$

3.  $1001001111_2 = \underline{\hspace{2cm}}_{16}$

4.  $1110010000_2 = \underline{\hspace{2cm}}_{16}$

5.  $61247_8 = \underline{\hspace{2cm}}_2$

6.  $10037_8 = \underline{\hspace{2cm}}_2$

7.  $AB10561_{16} = \underline{\hspace{2cm}}_2$

8.  $FE810C1_{16} = \underline{\hspace{2cm}}_2$

9.  $FD0A71_{16} = \underline{\hspace{2cm}}_8$

10.  $777DE1_{16} = \underline{\hspace{2cm}}_8$

11.  $73707_8 = \underline{\hspace{2cm}}_{16}$

12.  $10704_8 = \underline{\hspace{2cm}}_{16}$

13.  $777DE1_{16} = \underline{\hspace{2cm}}_8$

14.  $1777_{10} = \underline{\hspace{2cm}}_2$

15.  $5053_{10} = \underline{\hspace{2cm}}_2$

16.  $9873_{10} = \underline{\hspace{2cm}}_2$

17.  $11100110101_2 = \underline{\hspace{2cm}}$

18.  $110101_2 = \underline{\hspace{2cm}}$

19.  $98173_{10} = \underline{\hspace{2cm}}_{16}$

20.  $8072_{10} = \underline{\hspace{2cm}}_{16}$

21.  $3706_{10} = \underline{\hspace{2cm}}_8$

22.  $60606_{10} = \underline{\hspace{2cm}}_8$

23.  $18507_{10} = \underline{\hspace{2cm}}_{12}$

24.  $1723 = \underline{\hspace{2cm}}_7$

25.  $110101_5 = \underline{\hspace{2cm}}_{10}$

26.  $GEFAC1_{17} = \underline{\hspace{2cm}}_{10}$

27.  $11011101_2 = \underline{\hspace{2cm}}_7$

28.  $11010110101_2 = \underline{\hspace{2cm}}_4$

29.  $1210210210_3 = \underline{\hspace{2cm}}_9$

30.  $813541_9 = \underline{\hspace{2cm}}_{13}$