

Name \_\_\_\_\_

Numbering Systems Pretest

1.  $110101110_2 = \underline{\hspace{2cm}}_{10}$

11.  $7632_8 = \underline{\hspace{2cm}}_2$

2.  $11100001_2 = \underline{\hspace{2cm}}_{10}$

12.  $10645_8 = \underline{\hspace{2cm}}_2$

3.  $100011101110_2 = \underline{\hspace{2cm}}_8$

13.  $5037_8 = \underline{\hspace{2cm}}_{10}$

4.  $11001101110_2 = \underline{\hspace{2cm}}_8$

14.  $3704_8 = \underline{\hspace{2cm}}_{10}$

5.  $11110010110010111100_2 = \underline{\hspace{2cm}}_{16}$

15.  $ED82_{16} = \underline{\hspace{2cm}}_8$

6.  $10110111110010_2 = \underline{\hspace{2cm}}_{16}$

16.  $56174_8 = \underline{\hspace{2cm}}_{16}$

7.  $AFC3_{16} = \underline{\hspace{2cm}}_2$

17.  $470_{10} = \underline{\hspace{2cm}}_2$

8.  $1079_{16} = \underline{\hspace{2cm}}_2$

18.  $897_{10} = \underline{\hspace{2cm}}_2$

9.  $F706_{16} = \underline{\hspace{2cm}}_{10}$

19.  $4325_6 = \underline{\hspace{2cm}}_{10}$

10.  $10791_{16} = \underline{\hspace{2cm}}_{10}$

20.  $2507_{10} = \underline{\hspace{2cm}}_5$

21.  $AC078_{14} = \underline{\hspace{2cm}}_7$

Add the following (watch the base):

$$\begin{array}{r} 6507 \\ \underline{437}_8 \end{array}$$

$$\begin{array}{r} 10101101 \\ \underline{111011}_2 \end{array}$$

$$\begin{array}{r} 6325 \\ \underline{3652}_8 \end{array}$$

$$\begin{array}{r} 110111010 \\ \underline{111010111}_2 \end{array}$$

$$\begin{array}{r} B1B17 \\ \underline{10FF}_{16} \end{array}$$

$$\begin{array}{r} 36432 \\ \underline{55245}_7 \end{array}$$

$$\begin{array}{r} CE8A \\ \underline{789C}_{16} \end{array}$$

$$\begin{array}{r} 73467 \\ 12546 \\ \underline{66077}_8 \end{array}$$