ECEn/CS 224 Chapter 2 Homework Solutions

Last updated: 10/12/2006

 $71.93_{10} = 1000111.111011_2$

$$71.93_{10} = \underbrace{5 \quad | 71}_{\begin{subarray}{c|cccc} 1 & .93 & ...$$

 $71.93_{10} = 241.431111_5$

$$17.5222_{10} = 10001.10_2$$

- $2.4 \qquad \underline{0110}\,\underline{0100}\,\underline{1001}\,\underline{0000}\,\underline{0111}_2$
 - $6 \quad 4 \quad 9 \quad 0 \quad 7_{16}$

- $2.9 422_{10} = 0100 0010 0010_{BCD}$
- $2.11 \quad \underline{0001} \ \underline{0101} \ \underline{0010}_{BCD}$
 - $1 \qquad 5 \qquad 2_{10} = 1001 \ 1000_2$