CS-301 Computer Architecture
Assignment 2

Name:_____

1. Perform the following base conversions using the subtraction method:

   a. 588_{10} = _____$_3$

   b. 22548_{10} = _____$_5$

2. Perform the following base conversions using the division-remainder method:

   a. 652_{10} = _____$_7$

   b. 3104_{10} = _____$_9$

3. Convert the following decimal fractions to binary with a maximum of six places to the right of the binary point:

   a. 25.84375

   _____

   b. 84.874023

   _____

4. Perform the following conversions:

   a. 10010011101_2 to octal

   _____

   b. 10010011101_2 to hexadecimal

   _____

   c. 6235_8 to hexadecimal

   _____

   d. $C9D_{16}$ to octal

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