Binary and Other Number Systems Pre-Class Worksheet

Base 10 Review

Q1: Write the numbers in standard form.

(a) _____ $= 1 \times 100 + 3 \times 10 + 5 \times 1$

(b) _____ $= 9 \times 1000 + 5 \times 100 + 0 \times 10 + 2 \times 1$

(c) _____ $= 3 \times 1000 + 8 \times 100 + 0 \times 10 + 0 \times 1$

(d) _____ $= 5 \times 10 + 3 \times 100 + 7 \times 1000 + 1 \times 1$

Q2: Fill in the blanks to write the number in expanded form.

(a) $352 = 3 \times$ _____ $+ 5 \times$ _____ $+ 2 \times$ _____

(b) $207 = 2 \times$ _____ $+ 0 \times$ _____ $+ 7 \times$ _____

(c) $1283 = 1 \times$ _____ $+ 2 \times$ _____ $+ 8 \times$ _____ $+ 3 \times$ _____

(d) $9624 = 2 \times$ _____ $+ 4 \times$ _____ $+ 6 \times$ _____ $+ 9 \times$ _____