## Digital Logic Basics

Simplify the following Boolean function F , together with the dont-care conditions d , and then express the simplified function in sum-of-minterms form:

1. 
$$F(x, y, z) = \sum (0, 1, 4, 5, 6)$$

$$d(x,y,z) = \sum (2,3,7)$$

2. 
$$F(A, B, C, D) = \sum (4, 12, 7, 2, 10)$$

$$d(A, B, C, D) = \sum (0, 6, 8)$$