

DUE: Monday, October 7

1. Find the most minimal POS and SOP forms for the function $f(a,b,c) = \text{minterms}(0,2,3,5)$
2. Derive a minimum-cost circuit that implements the function $f(a,b,c,d) = \text{minterms}(4,8,11,13) + D(2,12,15)$
3. Do the following problems from chapter 4 of your textbook:
 - 4.4 (SOP only)
 - 4.9
 - 4.10
 - 4.37

Note: This assignment is worth double the normal homework credit.

- **Staple this assignment sheet** to your solutions, which are to be done in accordance with the school of engineering homework guidelines posted on the course web page.