

DUE: Wednesday, October 9

1. Compress the function $f(a,b,c) = \Sigma m(1,2,3,7)$ into a 2-variable map with b as the map-entered variable.
 2. Compress the function $f(a,b,c) = \Sigma m(1,2,3,7)$ into a 2-variable map with a as the map-entered variable.
 3. Compress the function $f(a,b,c) = \Sigma m(1,2,3,7)$ into a 2-variable map with c as the map-entered variable.
 4. Find minimum SOP cover from the function in problem 1. Examine the entered-variable maps in problems 1, 2, and 3 and see if you can find minimum cover from these maps (not required but strongly suggested).
 5. Compress the function $f(a,b,c,d) = \Sigma m(0,1,2,3,5,8,12,13,14)$ into a 3-variable map with a as the map-entered variable.
 6. Compress the function $f(a,b,c,d) = \Sigma m(0,1,2,3,5,8,12,13,14)$ into a 3-variable map with d as the map-entered variable.
 7. Compress the function $f(a,b,c,d) = \Sigma m(0,1,2,3,5,8,12,13,14)$ into a 2-variable map with a and c as the map-entered variables.
 8. Find minimum SOP cover from the function in problem 5. Examine the entered-variable maps in problems 5, 6, and 7 and see if you can find minimum cover from these maps (not required, but strongly suggested).
- **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