13313.

(b) xyz + x'yz + xy'z + (xyz')' Given xyz + x'yz + xy'z + (x'y'z)'' De Morgan's xyz + x'yz + xy'z + x'y'z Involution, z(xy + x'y + xy' + x'y') Distributive z(x + x')(y + y') Distributive (complimentarity)

(c) abc + a'b + abc' Given

abc + abc' + a'b Communative

ab(c+c') + a'b Distributive

ab + a'b Complementarity

b(a + a') Distributive

[b] Complementarity

A(C+D'B) + A'B AC+AD'B+A'B

Given Distributive