Simplify the following Boolean functions, using three-variable maps:
(a) \( F(x, y, z) = \Sigma (0, 2, 4, 5) \)  
(b) \( F(x, y, z) = \Sigma (0, 2, 4, 5, 6) \)  
(c) \( F(x, y, z) = \Sigma (0, 1, 2, 3, 5) \)  
(d) \( F(x, y, z) = \Sigma (1, 2, 3, 7) \) 

Simplify the following Boolean functions, using four-variable maps:
(a) \( F(w, x, y, z) = \Sigma (1, 4, 5, 6, 12, 14, 15) \)  
(b) \( F(A, B, C, D) = \Sigma (2, 3, 6, 7, 12, 13, 14) \)  
(c) \( F(w, x, y, z) = \Sigma (1, 3, 4, 5, 6, 7, 9, 11, 13, 15) \)  
(d) \( F(A, B, C, D) = \Sigma (0, 2, 4, 5, 6, 7, 8, 10, 13, 15) \) 

Find the minterms of the following Boolean expressions by first plotting each function in a map:
(a) \( xy + yz + xy'z \)  
(b) \( C'D + ABC' + ABD' + A'B'D \)  
(c) \( wyz + w'x' + wxyz' \)  
(d) \( A'B + A'CD + B'CD + BC'D' \)