(a)
$$F(W, X, Y, Z) = \sum (0, 1, 2, 4, 5, 6, 8, 10, 13, 15)$$

essential prime implicants $\Rightarrow W'y'$

PI= $xy'z'$

EPI: $W'y'$, $x'z'$, $w'z'$, wxz

EPI: $W'x'z'$

EPI: $W'y'$, $x'z'$, $w'z'$, wxz , $xy'z$

F = WY+WZ+XZ+WXZX.