

$$2-1 a) W = A + B$$

$$X = \bar{B}$$

$$Y = WX = (A + B) \bar{B}$$

A	B	W	X	Y
0	0	0	1	0
0	1	1	0	0
1	0	1	1	1
1	1	1	0	0

$$b) Y = (A + B) \bar{B} = A\bar{B} + B\bar{B} = A\bar{B}$$