Lab Ouiz 5

Closed Book and Notes - No Calculators Allowed								
The	e following h	K-map app	lies to the	questions	on this qui	Z:	X'	X
	F= Y+ X!-Do- 2-Do-	Ty'-Do	COST=1	Do-tDo-	Do-) Vist of V	Z' Z		d 0 1 1 1 Y'
=	F'= X?	2' + X'Y'	X+Y+2	2')		X, - 10-	100	
	x-)0- z-)0-	10-	F _{COST} :	7 2-10 NOG only	Rs if	7-10	- C Do 2	Doo
	12,-1	1	0-00-1	10-)	* .	?	NANDS Only	RUE
1.				oroducts reare available)		this function	n (assuming	both true
	$(A) \leq 7$	(B) 8	(C) 9	(D) 10	(E) ≥ 11			
2.				of sums reare available)		this function	n (assuming	both true
	$(A) \leq 7$	(B) 8	(C) 9	(D) 10	(E) ≥ 11			
3.	_			true input va this function		fewest nui	mber of 2-in	put NAND
	$(A) \leq 7$	(B) 8	(C) 9	(D) 10	(E) ≥ 11			

- Assuming the availability of only true input variables, the fewest number of 2-input NOR gates that are needed to realize this function is:
 - $(A) \leq 7$

- (B) 8 (C) 9 (D) 10 (E) \geq 11
- 5. Assuming the availability of only true input variables, the fewest number of 2-input opendrain NAND gates that are needed to realize this function is:

 $(A) \leq 7$

- (B) 8 (C) 9
- (D) 10

can do w/ 6 gates if monipulate SoP form

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