HW8: Digital Logic

Due Feb 8 at 11:59pm	Points 17	Questions 5	Available until Feb 10 at 11:59pm	Time Limit None	

This quiz was locked Feb 10 at 11:59pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	20 minutes	14 out of 17

Score for this quiz: **14** out of 17 Submitted Feb 3 at 7:05pm This attempt took 20 minutes.

Question 1	4 / 4 pts

Given the following logic equation:

For a system with:

Input variables: A,BOutput variable: Y

Determine if each output column cell is a logic 1 or a logic 0.

Α	В	Υ
0	0	0
0	1	1
1	0	1
1	1	0

Answer 1:

Correct!

0

Answer 2:

Correct!

1

Answer 3:

You Answered

Correct Answer

You Answered

Correct Answer

Correct!

Correct! 1
Answer 4:

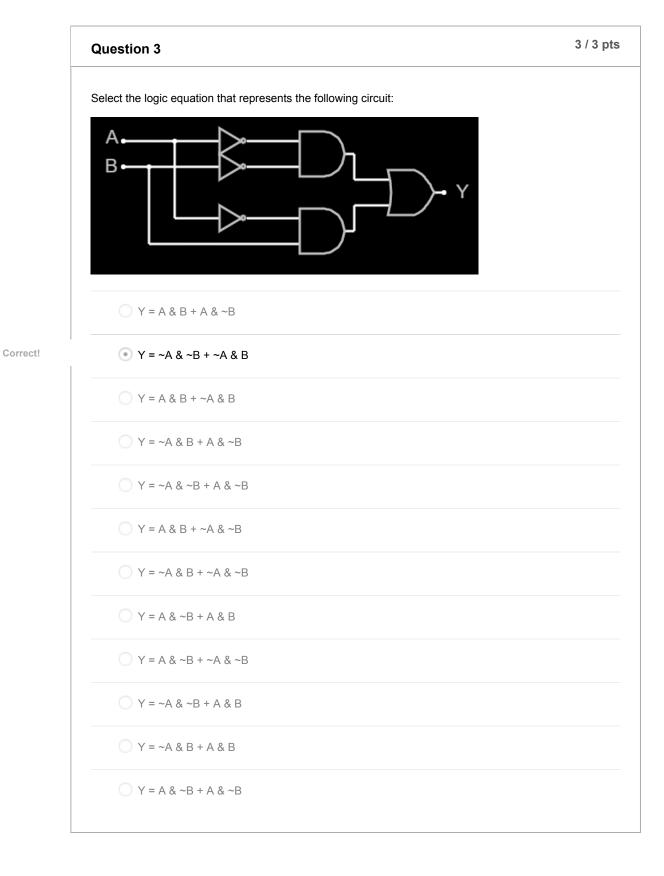
Correct! 0

Question 2		1 / 4 p
Given the following logic equa	ion:	
	Y = ~A & ~B + A & ~B	
For a system with:		
Input variables: A,BOutput variable: Y		
Determine if each output colun	nn cell is a logic 1 or a logic 0.	
	A B Y	
	0 0 0	
	0 1 1	
	1 0 1	
	1 1 1	
Answer 1:		
0		
1		
Answer 2:		
1		
0		
Answer 3:		
1		
Answer 4:		

You Answered

Correct Answer

0



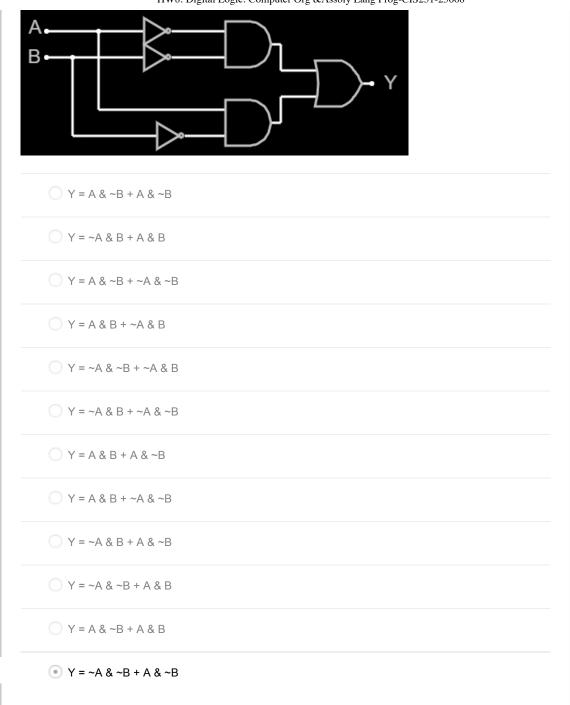
3 / 3 pts **Question 4** Select the logic equation that represents the following circuit: Y = A & ~B + ~A & ~B \bigcirc Y = \sim A & B + \sim A & \sim B Y = A & ~B + A & ~B $Y = A \& B + A \& \sim B$ $Y = A \& B + \sim A \& \sim B$ \bigcirc Y = A & B + ~A & B Y = A & B + A & BY = ~A & ~B + A & ~B \bigcirc Y = ~A & B + A & B Y = A & ~B + A & B Y = A & B + A & BY = ~A & ~B + A & B

Correct!

Question 5 3 / 3 pts

Select the logic equation that represents the following circuit:

Correct!



Quiz Score: 14 out of 17