

## Truth Table Validation Quiz

**Question 1: Is the following expression correct for the given truth table?**

**Expression:**  $((A \text{ or } A) \text{ or } (\text{not } B)) \text{ and } (\text{not } B)$

Options

- 1. True
- 2. False

A	B	Q
0	0	1
0	1	0
1	0	1
1	1	0

**Question 2: Is the following expression correct for the given truth table?**

**Expression:**  $((A \text{ or } A) \text{ or } (\text{not } B)) \text{ or } (\text{not } A)$

Options

- 1. True
- 2. False

A	B	Q
0	0	1
0	1	1
1	0	1
1	1	1

**Question 3: Is the following expression correct for the given truth table?**

**Expression:** (((A) or (not (B))) or (not (C))) and (not (C))

Options

- 1. True
- 2. False

A	B	C	Q
0	0	0	0
0	0	1	0
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1

## **Answer Key**

Question 1: (1) True

Question 2: (1) True

Question 3: (2) False