

Question 1: Which logic gate does the following truth table represent?

Truth Table:

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

(a) NAND

(b) XNOR

(c) AND

(d) XOR

Correct Answer: XNOR

Question 2: Which logic gate does the following truth table represent?

Truth Table:

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

(a) OR

(b) NOR

(c) XOR

(d) AND

Correct Answer: OR

Question 3: Which logic gate does the following truth table represent?

Truth Table:

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

(a) XNOR

(b) NAND

(c) XOR

(d) AND

Correct Answer: NAND

Question 4: Which logic gate does the following truth table represent?

Truth Table:

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

(a) OR

(b) NOR

(c) NAND

(d) AND

Correct Answer: NOR