

Question 1: What is the truth table for the expression: not A and not (B and C)?

Answer:

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

Question 2: What is the truth table for the expression: A and not B?

Answer:

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

Question 3: What is the truth table for the expression: A and not (not B)?

Answer:

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

Question 4: What is the truth table for the expression: A and B and C?

Answer:

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

Question 5: What is the truth table for the expression: not (A and not B)?

Answer:

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