

Question 1: 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 2: What is the truth table for the expression: A or B or not C

Answer:

A	B	C	Q
0	0	0	1
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

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

Answer:

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

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

Answer:

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

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

Answer:

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

Question 6: What is the truth table for the expression: A or B

Answer:

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

Question 7: 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

Question 8: What is the truth table for the expression: not (A and not B or not C)

Answer:

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

Question 9: What is the truth table for the expression: not (A or B)

Answer:

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

Question 10: What is the truth table for the expression: not (A and B)

Answer:

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