

Question 1: What is the truth table for the expression:

not A and B

Answer:

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

not A and not B

Answer:

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

Question 5: 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

Question 6: 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 7: 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