if statement worksheet #1 Name -

1. Fill in the truth table below **exactly** as it is given in the lecture notes. Be prepared at any future class to recite this on a quiz or exam question.

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What displays as a result of the following if statements where:

int a = 1; int b = 2; int c = 3;

2. \_\_\_true\_\_\_\_\_\_

if (a < b || c == 2)  
 cout << “true“;   
else   
 cout << “false“;

3. \_\_\_false\_\_\_\_

if (a < b && c == 2)  
 cout << “true“;   
else   
 cout << “false“;

4. \_false\_\_\_\_\_\_

if (3 < b + a)   
 cout << “true“;   
else   
 cout << “false“;

5. \_\_\_\_false\_\_\_

if (b < 1 || a > 0 && b < 0)   
 cout << “true“;   
else

cout << “false“;

6. \_\_\_true\_\_\_\_\_

if (!(b < a))

cout << “true“;

else

cout << “false“;

7. \_\_\_\_\_\_true\_\_

if (a < b || 2 >= b && b < 0)   
 cout << “true“;   
else   
 cout << “false“;

8. \_\_\_\_yes\_\_\_\_\_

if (a < 2)

cout << "yes";

else

cout << “no“;  
  
9. \_\_\_\_\_less than 0 and greater than -2\_\_\_\_\_\_\_\_

if (a < 0 && a > -2)

cout << “less than 0 and“;

cout << “ greater than -2“;

10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_equal to 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

if (a < 1)

cout << “less than 1“;

else if (a > 1)

cout << “ greater than 1“;

else

cout << “ equal to 1“;