Tracing If Statement Worksheet 2 Name -

Assume that the control expressions listed below fit into the if statement in the following code segment:  
  
int num = 5;

int other = 10;

int foo = -3;

if ( \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )  
 cout << "true";

else  
 cout << "false";  
  
For each exercise, indicate whether the control expression is **True** or **False**. Write out the word “True” or “False”.

\_\_false\_\_\_\_ 1. num > 5

\_\_\_true\_\_\_\_ 2. num >=5 && other < 11

false\_\_\_\_\_\_ 3. foo != -1 || other < 0

\_\_\_\_\_true\_\_ 4. !(num > 3) || num <= 5

false\_\_\_\_\_\_ 5. !(other >= num)

\_\_\_\_\_true\_\_ 6. (0 – foo) > 0

\_\_\_\_true\_\_\_ 7. 4 / 2 == other / num

\_\_\_true\_\_\_\_ 8. other % 2 == 0

\_\_true\_\_\_\_\_ 9. other + 2 \* num != 30 || ! (foo > 0)

\_\_\_\_true\_\_\_ 10. other > 0 && num > 0 || foo > 0

\_\_\_\_\_true\_\_ 11. (foo > 0) || ((num >= 0) && (–1 \* other == -10))

\_\_false\_\_\_\_ 12. num != 5

\_\_\_true\_\_\_\_ 13. num > 0 || (foo <= 0 && other == 13)

\_\_\_true\_\_\_\_ 14. !(!(!(!(num > 0))))