

Name: \_\_\_\_\_

Block: \_\_\_\_\_ Date: \_\_\_\_\_

## Unit 3: Test Review

1. What is an if-statement used for?
2. When do you use an else?
3. What does != mean?

Write an if statement for each of the following:

4. Test if num is between 78 and 45 inclusive.
5. Test if x is NOT between 67 and 32.
6. Test if value is positive.
7. Input two numbers and print the smaller to the screen.

Correct the mistakes (there may be more than one):

8. IF ( $x < y < 8$ ):

9. IF (word = "pumpnickel "):

Answer the following:

10. Who is George Boole?

11. Precise set of rules for how to solve a problem is called a \_\_\_\_\_.

12. What are five things algorithms must have?

13. Why do we analyze algorithms?