AP Computer Science – Chapter 5 Test Name_____

1. The purpose of a(n) ______ statement is to group several statements together to form a single statement.

2. The statement $y = (x \ge 0 ? x : -x)$; is similar to _____. A) if $(x \ge 0) y = x$; B) if $(x \ge 0) y = x$; else y = -x; C) if $(x \ge 0) y = -x$; D) if $(x \ge 0) y = -x$; else y = x;

3. Write the Java version of the following pseudocode: *If the student's grade is between 60 and 70 (inclusive), print "C"*

4.. Which of the following is a relational operator?
A) &&
B) ||
C) !=
D) /

5. ! (a < b) is the equivalent to _____.

6. The length of an empty string is ______.

7. You should use the ______ operator to test whether an object reference is a null reference.

8. Java has _____ relational operators.

A) 3

B) 5

C) 6

D) 8

9. The ____ method compares strings in dictionary order.
A) compareDict
B) compare
C) equals
D) compareTo

10. If the test:	s.compareTo(t)	< 0 is true, then	
A) s and t are equivalent			
B) s comes before t in the dictionary			
C) t is null			

D) s comes after t in the dictionary

11. If string1.compareTo(string2)	, then string1 and string2 are
identical	
A) == 0	
B) != 0	
C) == true	
D) != null	

12. The ______ reference indicates that a string variable refers to no string at all.

13. What is the dangling else problem?

14. The ______ type has two values: true and false.

15. A(n) ______ type has a finite set of values.

16. De Morgan's law has two forms: one for the negation of a(n) ______ expression and one for the negation of a(n) ______ expression.

17. An operator that combines test conditions is called a(n) _____.A) compound operatorB) equals operatorC) complex operator

D) logical operator

18. The && and || operators in Java are computed using _____ evaluation.
A) short
B) syntax
C) lazy
D) reverse

19. The following code fragment is an example of a _____ method.

```
public boolean hasAvailableFunds()
{
    return balance >0;
}
A) relational
B) conditional
C) predicate
D) static
```

20. The _____ operator takes a single condition and evaluates to true if that condition is false and false if that condition is true.

A) inversion B) ! C) |~ D) boolean

21. Which of the following conditions does not test whether x is between 1 and 10 (inclusive)?

A) $1 \le x \&\& x \le 10$ B) ! (x < 1 || 10 < x) C) ! (x <= 1 || x >= 10) D) 10 >= x \&\& x >= 1