2. Which of the following are correct ways to declare variables?

A. int length; int width;
B. int length, width;
C. int length; width;
D. int length, int width;

4. To declare a variable MAX_LENGTH inside a method with value 99.98, you write

A. int MAX_LENGTH = 99.98;
B. float MAX_LENGTH = 99.98;
C. double MAX_LENGTH = 99.98;
D. long MAX_LENGTH = 99.98;

6. What is the result of 45 / 4?

A. 10
B. 11
C. 11.25
D. 12

8. 25 % 1 is _____

A. 1
B. 2
C. 3
D. 4
E. 0

10. 24 % 5 is _____

A. 1
B. 2
C. 3
D. 4
E. 0

12. To add a value 1 to variable x, you write

A. 1 + x = x;
B. x += 1;
C. x := 1;
D. x = x + 1;
E. x = 1 + x;

14. To add number to sum, you write

A. number += sum;
B. number = sum + number;
C. sum = Number + sum;
D. sum += number;
E. sum = sum + number;

16. Suppose x is 1. What is x after x -= 1?

A. 0
B. 1
C. 2
D. -1
E. -2

18. What is x after the following statements?

int x = 1;
x *= x + 1;

A. x is 1.
B. x is 2.
C. x is 3.
D. x is 4.

20. Are the following four statements equivalent?

number += 1;
number = number + 1;
++number;

A. Yes
B. No
22 What is the printout of the following code:

double x = 5.5;
int y = (int)x;
System.out.println("x is " + x + " and y is " + y);

A. x is 5 and y is 6  
B. x is 6.0 and y is 6.0  
C. x is 6 and y is 6  
D. x is 5.5 and y is 5  
E. x is 5.5 and y is 5.0

24 What is the value of (double)5/2?

A. 2  
B. 2.5  
C. 3  
D. 2.0  
E. 3.0

26 The expression (int)(76.0252175 * 100) / 100 evaluates to ________.

A. 76.02  
B. 76  
C. 76.0252175  
D. 76.03

28 Which of the following is the correct expression of character 4?

A. 4  
B. "4"  
C. "\0004"  
D. '4'

30 Suppose x is a char variable with a value 'b'. What is the printout of the statement System.out.println(++x)?

A. a  
B. b  
C. c  
D. d

32 Suppose i is an int type variable. Which of the following statements display the character whose Unicode is stored in variable i?

A. System.out.println(i);  
B. System.out.println((char)i);  
C. System.out.println((int)i);  
D. System.out.println(i + " ");

34 Will System.out.println((char)4) display 4?

A. Yes  
B. No

36 An int variable can hold __________.

A. 'x'  
B. 120  
C. 120.0  
D. "x"  
E. "120"

38 The expression "Java " + 1 + 2 + 3 evaluates to ________.

A. Java123  
B. Java6  
C. Java 123  
D. java 123  
E. Illegal expression

40 Note that the Unicode for character A is 65. The expression 'A' + 1 evaluates to ________.

A. 66  
B. B  
C. A1  
D. Illegal expression