1. Consider the following code segment:

```
1    int a 10;
2    double b = 10.7;
3    int d = a + b;
```

Line 3 will not compile in the code segment above. With which of the following statements could we replace this line so that it compiles?

```
I.      int d = (int) a + b
II.     int d = (int) (a + b);
III.    int d = a + (int)b;
```

```
(A) I
(B) II
(C) III
(D) I and III
(E) II and III
```

2. Consider the following code segment.

```
1    int a = 11;
2    int b = 4;
3    double x = 11;
4    double y = 4;
5    System.out.print(a/b) ;
6    System.out.print(", ") ;
7    System.out.print(x/y) ;
8    System.out.print(", ") ;
9    System.out.print(a/y) ;
```

What is printed as a result of executing the code segment?

```
(A) 3, 2.75, 3
(B) 3,2.75,2.75
(C) 2,3.2
(D) 2, 2.75,2.75
(E) Nothing will be printed because of a compile-time error.
```

3. Consider the following code segment.

```java
int val1 = 2, val2 = 22, val3 = 78;
while (val2 % val1 == 0 || val2 % 3 == 0 ){
    val3++;
    val2--;
}
```

What will val3 contain after the code segment is executed?

```
(A) 77
(B) 78
(C) 79
(D) 80
(E) None of the above
```

4. Assuming all other statements in the program are correct, each of the following statements will allow the program to compile **EXCEPT**

```java
(A) system.out.print(1);
(B) System.out.print("1");
(C) System.out.print(side1);
(D) System.out.print("side1");
(E) All of the above statements will compile.
```

5. Assuming all other statements in the program are correct, each of the following statements will allow the program to compile **EXCEPT**

```java
(A) //This is a comment
(B) /* This is a comment*/
(C) // myName is a good identifier name
(D) // myname is a good identifier name
(E) All of the above statements will compile.
```