Math, Characters, Strings

Peer Instruction 3

What is objectionable with respect to the code shown below?

```
1    Math math = new Math();
2    System.out.println(math.sin(Math.toRadians(90)));    // Line 2
3    System.out.println(Math.min(1.0, 2.0, 3.0));
```

A. Instantiation of Math object not allowed. (Line 1)
B. Object instead of class to call method? (Line 2)
C. Too many parameter to method! (Line 3)
D. All of the above
E. Nothing is wrong

What will the code shown below print to the console?

```
System.out.printf("%.6f\n", 52.978387623);
```

A. 52.978387
B. 52.978388
C. .978388
D. None of the above
E. Nothing is wrong
What will the code shown below print to the console?

```java
System.out.printf("%0.6f\n", 52.978387623);
```

A. 52.97837
B. 52.978388
C. 52.978388
D. None of the above

---

What will the code shown below print to the console?

```java
System.out.println('a' < 'z') + "," + ('1' < 'W'));
```

A. true, true
B. true, false
C. false, true
D. false, false
E. None of the above

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An image of a page from a text book.
What value is printed for the loop variable when the code shown below runs?

int loop = 0;
while (loop <= 10) {
    loop++;
    System.out.println(loop);
}

A. 0 to 9
B. 0 to 10
C. 1 to 10
D. 1 to 11
E. Will not compile!

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D. 12
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A. 9
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C. 11
D. 12
E. Will not compile!
How many times will the body of the 'do while' loop execute?

```java
byte loop = -1;
do {
    loop++;
} while (loop < 0);
```

A. 0 times  
B. 1 time  
C. 2 times  
D. 128 times  
E. Infinite loop!