Java   Name -
Unit 1 Practice Test   Period -

True/False
1. RAM is considered to be secondary storage.
2. ENIAC is an acronym for an integrated development environment such as Eclipse.
3. The hexadecimal number system is base 16.
4. Javadoc comments begin with //
Multiple Choice
5. Consider the following output:

```
*
**
```

Which of the following code segments do not produce the design above?
I.
```
System.out.println("*");
System.out.println("**");
```
II.
```
System.out.println("*\n");
System.out.println("**\n");
```
III.
```
System.out.println("*\n**");
```

a. I only   d. I and III
b. II only   e. I, II, and III
c. III only

Computer Number Systems – You may NOT use a calculator.
6. (octal) 342 + 767 =

7. (hex) 3F4 + BD =

8. (binary) 10011 + 1110 =

9. (octal) 703 – 66 =

10. Convert 234 (octal) to decimal

11. Convert 2D8 (hex) to decimal

12. Convert 456 (decimal) to binary

Free Response Questions – Complete the following on the back of the paper.
13. Write the complete Hello World program.

14. Write one `System.out.print` statement that displays:
\\//**\\//
//\\""//\\

15. Trace the code segment showing the values in `i` & circling its final value. Show the output as well.
```
for (int i = 9; i >=5; i-=2)          i        output:
System.out.print((i + 1)+ " ");
System.out.print("g");
```