In questions 1-5 circle the best answer in the multiple choice.

1. The following statement will declare a variable, numb, that will be used to store the weight of a candy bar to the nearest tenth of a gram.
   a. integer grams;
   b. int grams;
   c. double grams;
   d. real grams;

2. The operations performed by a class are called
   a. objects.
   b. methods.
   c. syntax.
   d. identifiers.

3. Compiled Java programs can only be ran on computers with:
   a. a JVM.
   b. a browser.
   c. microphone.
   d. an IDE

4. A stand alone Java program is:
   a. a Machine Language program.
   b. an Applet.
   c. an Application.
   d. an example of Hardware.

5. How can you compile a Java program in eclipse?

6. Circle the names in this list that follow the convention used by Java programmers to name variables: (10 points)

   something    Something    balance2000    99balloons    voting#machine
7. Write a Java statement to print the message "Let the Games Begin!" on the screen.

8. What characters are used to begin and end a class in Java?

9. Rewrite this math equation as a assignment statement in Java:
\[ s = \frac{x - x_i}{y - y_i} \]

10. What Linux command do you use to change directories into a directory named `myjava`.

11. What is the value of this Java expression: \( 6 - 2 / 3 + 8 \)

12. Write the line necessary to create a Scanner that can be used for input. Assume the Scanner class has already been imported.

13. Use the Scanner you created in #12 to input an integer into a variable, `cars`.
14. What is the output of this program?
//Program tell number of cookies
import java.text.*;
public class Dozens
{
    public static void main(String[] args)
    {
        int cookies;
        int dozen;
        cookies = 58;
        dozen = 58/13;
        System.out.println(dozen + " Dozen Cookies");
    }
}

15. Correct the error. Line numbers are to help you find the error.
1 // program to figure average speed on a trip
2 // from D.C. to N.Y.
3
4 public class Travel2
5 {
6    public static void main(String[] args)
7    {
8        System.out.print("The speed on a trip");
9        System.out.println(" from D.C. to N.Y. is " + 233/7-2);
10    }
11}
**Error Message:**
Travel2.java:9: operator - cannot be applied to java.lang.String,int System.out.println(" from D.C. to N.Y. Is " + 233/7-2);

16. Rewrite this program so that it is in good programming style. (10 points)
public class houston
{ public static void main
(String[] args) {
    System.out.print
("Three..."); System.out.print(
"Two..."); System.out.println("One...");
System.out.println("Houston, we have a problem."); }
17. Write a java program to input the base and the height of a triangle then output its area.

(10 points)