CS172 Quiz 1

Note: This is an open book quiz. You can refer to any book, slides, videos, or other online resources. However, your work must be independent and should not get help from another person. You can choose to write on this Word document directly, or hand writing on a hard copy and scan it before uploading to D2L.

Name Gunnar Yonker   **Score**_____

1. **(6 points)** Determine the values of the following expressions. **Pay attention to integer divisions**.
   a. $3 + 14/4*2/3 =$ 5   b. $3.0/9*9 =$ 3

   c. Math.pow(2,3) = 8   d. $3*(1 + -(3/4)/2)*(4 - 6\%3) =$ 12

2. **(4 points)** Suppose *a,m,r,x*, and *y* are variables that are already declared. Write the following arithmetic expression into Java code format:
   a. $m = 3x$

   $$m = 3 * x$$

   b.
   $$r = \frac{x+y}{axy}$$

   $$r = (x + y) / (a * x * y)$$

3. **(10 points)** Point out and *correct* the errors in the following sentences.
   a. ~~double~~ x = 6.25~~X~~; remove extra space (I don't think it changes anything, but looks nicer)

   type mismatch, so change "int" to "double"

   ~~int~~ output = x;
   double

   can't have integer in variable name declaration
   can change to "ever" or "forever"

   forever ←
   b. int ~~4ever~~ = 3;
       int output = ~~4ever(5)~~;//4ever times 5
                     forever * 5

   parentheses will not multiply, needs to be "*" to multiply

   Continue on the next page =>

c.

```java
/* This is a test program Welcome.java
 *          print out welcome in the main method
 */
public class Welcome {
    public static void MYMAIN(String args[]){
        //Print out welcome
        System.out.println("Welcome!");
    }
}
```

needs to be "main"

main ←

line isn't closed

↑
missing bracket to
close the one after
"(String args[]){ "