

Software Design I (CS 120)  
Quiz 03: Monday, 19 February 2018

NAME \_\_\_\_\_

(1) (5 points) Below, write out exactly what the **output** of the following code will be.

```
int int1 = 1;
int int2 = 2;
int int3 = int1 / 2;
double dub1 = 0.0;
double dub2 = 5.99;

int2 = (int)( int2 + dub2 );
dub1 = int1 / 2;
dub2 = int2 / 2.0;

System.out.print( "int1 = " + int1 );
System.out.print( " int2 = " + int2 );
System.out.println( " int3 = " + int3 );
System.out.print( "dub1 = " + dub1 );
System.out.print( " dub2 = " + dub2 );
```

- (2) (10 pts.) For each of the following, give the value of the variable `x` after each line (or pair of lines) executes. If the code produces an error, write **ERROR**. You can assume that each question occurs in a separate program (so nothing done in an earlier question will affect anything done in a later question).
- 

(a) `String s = 11;`  
`String x = s + " is a String";`

(b) `String s = " is a String";`  
`String x = 11 + s;`

(c) `String x = "String is " + 1 + 2;`

(d) `String x = "String is " + ( 1 + 2 );`

(e) `String s = "Cheese curds";`  
`char x = s.charAt( 1 );`

(f) `String s = "Cheese curds";`  
`char x = s.charAt( s.length() );`

(g) `String s = "Cheese curds";`  
`String x = s.substring( 1, 4 );`

(h) `Scanner scan = new Scanner( "86" );`  
`int x = scan.nextInt();`

(i) `Scanner scan = new Scanner( "86" );`  
`double x = scan.nextDouble();`

(j) `Scanner scan = new Scanner( "86 Hines Ward" );`  
`int x = scan.nextInt();`