Quiz 1 Review (Finish before class starts Wednesday.) Name: _(key) 8/20/21_

1. What is output by the following?

```
System.out.println("Go\n\tLigers!");
```

Go
　　Ligers!

2. What is output when the following code runs?

```
System.out.println(4+5+"Hello ");
```

9 Hello

3. What is output when the following code runs?

```
System.out.println("Hello "+4+5);
```

Hello45

4. What is output when the following code runs?

```
System.out.println("Hello "+(4+5));
```

Hello9

4. What is output by this code?

```
int u = 7;
u++;  8
u++;  9
u--;  8
u+=u; 16
u--;  15
u--;  14
System.out.println(u);
```

14

5. What is output by this code?

```
int x = 15;
System.out.println(x/2);
```

7

← int math
　so decimal
portion dropped

6. What is output by this code?

```
int x = 15;
System.out.println(x%7);
```

1

7. What is output by this code?

```
System.out.println(2%5);
```

2

7. Will the following code compile and run? If not, suggest a correction.

```
double a = 5;
```

yes, it's ok to store an int into a double variable because no information is lost.

8. Will the following code compile and run? If not, suggest a correction.

```
int a = 5.73;
```

No, you would have to cast it like This: int a = (int) 5.73;

9. Complete the following code to print the average of variables a, b, and c as a double:

```
int a = /* missing expression */;
int b = /* missing expression */;
int c = /* missing expression */;

double average = 1.0*(a+b+c)/3          ;
System.out.println(average);
```

10. What is output by this code?

```
int x = 7;
x+=8; 15
x--;  14
x-=2; 12
double y = 1.0*x/3; 4.0
x/=3; 4
System.out.println(x+" "+y);
```

4 4.0

11. What is output by the following?

```
System.out.println("Rom");
System.out.print("eo");
System.out.println(" and Juliet");
```

(circle the correct answer below):

~~Rom~~
(eo and Juliet)

Romeo and Juliet

Romeo
and Juliet

12. What is output by this code?

```
System.out.println(5%2);
```

1

13. What is output by this code?

```
double b = 5/2;
System.out.println(b);
```

This is int math so is decimal is dropped before value stored in b.

2.0

14. What is output by this code?

```
double b = (double)5/2;
System.out.println(b);
```

2.5

15. What is output by this code?

```
double b = 1.0*5/2;
System.out.println(b);
```

2.5

16. What is output by this code?

```
double b = (double)(5/2);
System.out.println(b);
```

like on problem 13, This became 2 before being turned into a double.

2.0

17. What is output by this code?

```
double b = 3.14159;
System.out.println((int)b);
```

3

18. What is output by this code?

```
double b = 2021 + 5/10;
System.out.println(b);
```

This is zero (int math)

2021.0

19. What is output by this code?

```
boolean val = true;
System.out.println("I will remain "+val);
```

I will remain true

20. What is output by this code?

```
int a = 8;
int b = 5;
int c = 4;
int d = 3;
double x = ( a + b % c ) / d;
System.out.println(x);
```

(8 + 5%4) 3
= 3.0
(8+1)/3
9/3

21. What needs to replace the missing expression below in order for the output to be 154?

```
int x = /* missing expression */;
int y = 7 + 2 * x;
System.out.print(y);
System.out.println(x);
```

4
7+8 = 15 4

4

22. What is output by this code?

```
int c = 0;
c++;
c+=9;
c/=2;
c*=7;
System.out.println(c%4);
```

1
10
5
35
35%4 = 3

Finish this worksheet before class starts Wednesday. I will post a worked out key Monday after school at http://www.dogatemyhomework.com/docs/APCS/

Also due before start of class Wednesday:

Complete the online Google Form reviews, both part 1 and part 2. To get full credit you must score 16/20 or higher on part 1 and 18/24 or higher on part 2.

What else can you do to prepare for the quiz?

Re-do some of our repl assignments, re-do any of our previous Google form reviews.

The quiz on Wednesday will be on paper, and you will not have access to your notes, the computer, or any other outside help. It will be you, your pencil, and the paper.