1. What is output by the following?

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

Go
→ ↑ Ligers!

2. What is output when the following code runs?

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

9Hello

3. What is output when the following code runs?

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

Hello 45

4. What is output when the following code runs?

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

Hello 9

4. What is output by this code?

```java
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?

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

7

6. What is output by this code?

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

7. What is output by this code?

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

2

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

```java
double a = 5;
```

yes, it's fine

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

```java
int a = 5.73;
```

no, you cannot store a double in an int variable

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

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

double average = ____1.0*(a+b+c)/3____;

System.out.println(average);
```
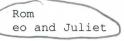
or
(double)(a+b+c)/3
or
(a+b+c)/3.0

10. What is output by this code?

```java
int x = 7;
x+=8;  15
x--;   14
x-=2;  12
double y = 1.0*x/3;   12.0/3 = 4.0
x/=3;  4
System.out.println(x+" "+y);
```

4 - 4.0

11. What is output by the following?

```java
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);
```

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);
```

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);
```

2021

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
(8 + 1)/3
9/3
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);
```

x = 4

22. What is output by this code?

```
int c = 0;
c++;  1
c+=9; 10
c/=2; 5
c*=7; 35
System.out.println(c%4);   35%4 = 3
```

3

Finish this worksheet before class starts Wednesday. Bring it to class and show it to me, corrected, at the start of class Wednesday to get credit. 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 review. To get full credit you must get a perfect score. You may do the form as many times as you need to, I'll take your highest score.

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 brain, your pencil, and the paper.