Java
if statement worksheet #4

Name -
Period -

Rewrite the following if statements so that any compile (i.e. syntax) and logic errors are fixed and so they follow our class Coding Standards (e.g. required use of curly braces, good indentation, etc.) Reread the lecture notes if necessary.

1.
```
if num > 0 System.out.println("hello");
```

2.
```
if (x > Math.pow(y, 2));
System.out.println("x is greater than y squared");
```

3.
```
if (num = 3) System.out.println("goodbye");
```

4.
```
if (3 < num < 10) System.out.println("over here");
```

5.
```
if (num > 5 || < 0) System.out.println("up there");
```

6.
```
if (grade >= 80)
if (grade >= 90)
System.out.println("Your grade is an A");
else
System.out.println("Your grade is a C or less");
```

7. FOR FUN→Write an **obfuscated** static method named `divisibleBy2Or3`that returns the sum of all the integer numbers between 2 and 20 that are evenly divisible by 2 or 3. The method must contain a loop, a nested if statement and a modulus operator %. **You may be declared a winner of the annual Wyo Obfuscated Code contest. Look up "obfuscated code" to understand this exercise.**

```
postcondition: the sum of all integer values between 2 & 20 that are evenly divisible by 2 or 3
public static int divisibleBy2Or3()
{
```