

If Else Work Sheet

Student Name: _____

Period: _____ PC #: _____

Directions: What is the output of each of the following statements? Assume that a = 10, b = 5, c = 8, and temp = 0

1.

```
if (a <= b)
    b = a;
System.out.println(a + " " + b);
```

2.

```
if (a <= b) {
    b = a;
    System.out.println(a + " " + b);
}
```

3.

```
if (a < b)
    if (b + c < a)
        System.out.println(c + " " + b);
    else
        System.out.println(b + " " + c);
System.out.println(b + " " + a);
```

4.

```
if (a > b)
    if (b + c < a)
        System.out.println(c + " " + a);
    else
        System.out.println(b + " " + c);
else
    System.out.println(b + " " + a);
```

5.

```
if (a > b) {
    c = c + b;
    if (c > a)
        System.out.println(temp + " " + c);
    else {
        b = 2 * b;
        System.out.println(b + " " + c);
    }
}
else {
    a += 5;
    System.out.println(a + " " + b);
}
```

[Turn Over]

```
6.  if (a < c)
    a += c;
    else if (b > temp)
    a -= c;
    else
    a *= 2;
    System.out.println(a + " " + b + " " + c);
```

```
7.  if (a < c)
    b = a + c;
    else {
    c = a + b;
    if (b > temp)
    a = b + c;
    }
    System.out.println(a + " " + b + " " + c);
```

```
8.  if (a - b >= c) {
    temp += 1;
    else if (b >= temp + 2)
    temp -= 1;
    else
    temp += 10;
    System.out.println(temp);
```