Name : _____ **Date :** _____

If Else If Worksheet

Show the output of each block of code below.

1.
```
int a=30;
if(a<10)
    out.println("hello");
else if(a>10)
    out.println("goodbye");
```

> **OUTPUT**

2.
```
int b=4;
if(b<2)
    out.println("one");
else if(b<4)
    out.println("two");
else if(b<8)
    out.println("three");
```

> **OUTPUT**

3.
```
int c=5,  d=8;
if(c<10 && d>10)
    out.println("hello");
out.println("goodbye");
```

> **OUTPUT**

4.
```
int e=7,  f=3;
if(e>5 || f>10)
    out.println("hello");
else if(e>2)
    out.println("goodbye");
```

> **OUTPUT**

5.
```
int g=10;
if(g<10){
    if(g>0){
        out.println("one");
    }
    else if(g>5){
        out.println("two");
    }
}
else if(g>=10){
    if(g>15){
        out.println("three");
    }
    else if(g<15){
        out.println("four");
    }
}
```

> **OUTPUT**

All Ifs Worksheet

Write NO OUTPUT if the code does not print anything on the screen.

CODE	OUTPUT

```int a = 30;```
```if(a < 10)```
```   out.println("hello");```
```out.println("always happens");```	

```int a = 8;```
```if(a < 10)```
```   out.println("hello");```
```else if(a > 10)```
``` out.println("goodbye");```	

```int b = 10;```
```if(b < 2)```
```   out.println("one");```
```else if(b < 4)```
```   out.println("two");```
```else if(b < 8)```
``` out.println("three");```	

```int c = 5, d = 8;```
```if(c < 10 && d > 10)```
```   out.println("hello");```
```out.println("goodbye");```	

```int c = 5, d = 12;```
```if(c < 10 && d > 10)```
```   out.println("hello");```
```out.println("goodbye");```	

```int e = 7, f = 3;```
```if(e > 5 || f > 10)```
```   out.println("hello");```
```else if(e > 2)```
``` out.println("goodbye");```	

```int g = -6;```
```if(g < 10){```
```   if(g > 0){```
```   out.println("one");```
```   }```
```   else{```
```   out.println("two");```
```   }```
```}```	

```int g = <*1> ;```
```if(g < 10){```
```   if(g > 0){```
```   out.println("one");```
```   }```
```   else if(g > 5){```
```   out.println("two");```
```   }```
```}```
```else if(g >= 10){```
```   if(g > 15){```
```   out.println("three");```
```   }```
```   else if(g < 15){```
```   out.println("four");```
```   }```
```}```
	Consider the code to the left:
	
	What number could replace <*1> so that the word "one" would be printed on the screen?
	
	What number could replace <*1> so that the word "two" would be printed on the screen?
	
	What number could replace <*1> so that the word "three" would be printed on the screen?
	
	What number could replace <*1> so that the word "four" would be printed on the screen?