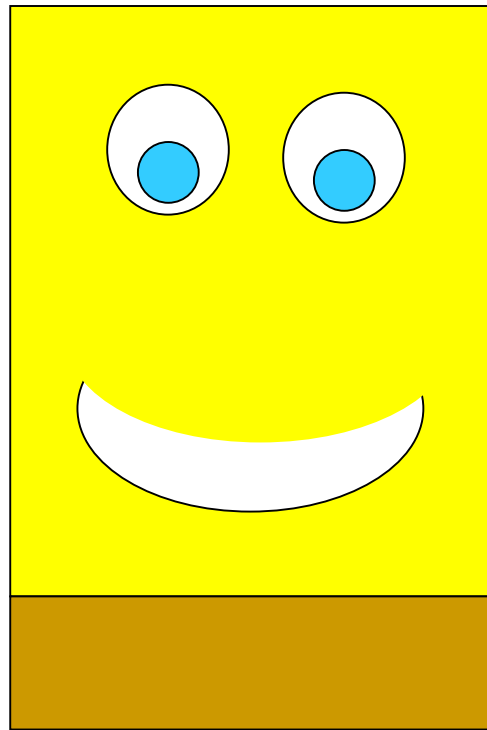


# Review: Static Methods

Mr. Neat  
Java

# Take a short break from graphics...



bye, bye

What if we wanted the  
absolute value of a number?

Boring.....

What if we wanted the  
absolute value of a number?

```
if(num < 0)
```

```
{
```

```
    num = -num;
```

```
}
```

```
methodNonNegative(num);
```

Java is full of utilities.

We are going to explore  
using Math utilities.

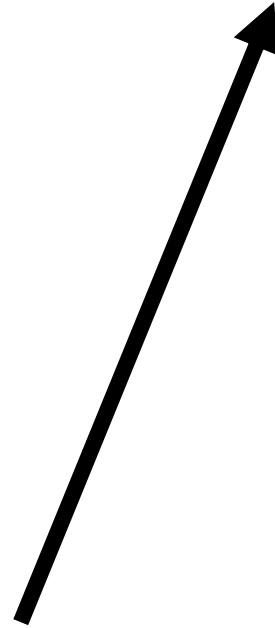
Somebody did a bunch of work  
for us already and we want to  
use it!

```
if(num < 0)
{
    num = -num;
}
methodNonNegative(num);
```

OR

```
methodNonNegative(Math.abs(num));
```

```
methodNonNegative(Math.abs(num));
```



Is anything weird about  
this?

There are a bunch of these  
methods

`Math.random()`

`Math.abs(num)`

`Math.pow(base,exponent)`

`Math.sqrt(x)`

`Math.min(val1,val2)`

`Math.max(val1,val2)`



# Lab

- Find the middle value of three numbers entered by the user.
- Don't use any if statements.
- This lab only uses the command window

# hints

- Use Math methods
- Test it by changing the location of the middle

value:

3   2   1

2   3   1

1   3   2