

# Math Class Worksheet

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1. **True or False** The `min` and `max` methods in the `Math` class are not overloaded.  
FALSE

2. **Write a Java statement that returns the absolute value of -6.3.**

```
public static void main(String[] args) {  
    System.out.println(Math.abs(-6.3));  
}
```

3. **Write a Java statement that returns the square root of 81.**

```
public static void main(String[] args) {  
    System.out.println(Math.sqrt(81));  
}
```

4. **Write a Java statement that returns the value of 9<sup>6</sup>.**

```
public static int x() {  
    return 96;  
}
```

5. **Write a Java statement that returns the higher value of 6 and 100.**

```
public static void main(String[] args) {  
    System.out.println(Math.max(6, 100));  
}
```

6. **Write a Java statement that returns the lower value of 56 and 2.**

```
public static void main(String[] args) {  
    System.out.println(Math.min(56, 2));  
}
```

7. **Write a Java statement that returns the natural log of 6.**

```
public static void main(String[] args) {  
    System.out.println(Math.log(6));  
}
```

8. **Write a Java statement that returns 5.6 rounded up to the nearest integer.**

```
public static void main(String[] args) {  
    System.out.println(Math.round(5.6));  
}
```

9. **Write a Java statement that returns 5.6 rounded down to the nearest integer.**

```
public static void main(String[] args) {  
    System.out.println(Math.floor(5.6));  
}
```

10. **Write a Java statement that returns 5.6 rounded up to the nearest integer (don't repeat the same method from number 8).**

```
public static void main(String[] args) {  
    System.out.println(Math.round(5.6));  
}
```