

Name _____ Period _____

Skill 25.01 Exercise 1

Indicate what is printed for each of the following

```
var x = 2;
var y = 3;
var z = x + y;
x = x + z;
console.log(x+1);
```

```
var x = 1;
var y = 5;
var z = x - y;
x = x - z;
console.log(x-1);
```

```
var x = 2;
var y = 3;
var z = x * y;
x = x * z;
console.log(x*2);
```

```
var x = 9;
var y = 3;
var z = x/y;
x = x/z;
console.log(x/3);
```

```
var x = 11;
var y = 3;
var z = x%y;
x = x%z;
console.log(x%2);
```

Skill 25.02 Exercise 1

Indicate what is printed for each of the following

```
var x = 1;
x = x + 3;
console.log(x++);
console.log(++x);
```

```
var y = 10;
y = y - 3;
console.log(y--);
console.log(--y);
```

Skill 25.03 Exercise 1

Indicate what is printed for each of the following

```
var x = 1;  
x += 8;  
console.log(x++);  
console.log(++x);
```

```
var y = 11;  
var d = 2;  
y -= 3+d;  
console.log(y++);  
console.log(++y);
```

```
var z = 3;  
var i = 2;  
z *= 5+i;  
console.log(z++);  
console.log(z--);
```

```
var w = 15;  
var y = 1;  
w /= 3+y;  
console.log(++w);  
console.log(--w);
```

```
var z = 15;  
var y = 1;  
z %= 3+y;  
console.log(++z);  
console.log(z--);
```

Skill 25.04 Exercise 1

Indicate what is printed for each of the following.

(a) Write code that will take the square root of a variable x and store the result in y

(b) Write code that will generate a random number from 0 up to 1.

(c) Indicate what is printed

(i) `console.log(Math.ceil(-157.2));`(ii) `console.log(Math.floor(-157.2));`(iii) `console.log(Math.ceil(157.2));`

(iv) `console.log(Math.floor(157.2));`

(v) `console.log(Math.round(-157.2));`

(vi) `console.log(Math.min(-157.7, 157.7));`

(vii) `cconsole.log(Math.min(-157.7, 157.7));`

(viii) `console.log(Math.pow(2, 3));`

Skill 25.05 Exercise 1

Write code that could be used to create a random number within each of the specified ranges below

0 – 1 (1 not inclusive)	
0 – 52 (52 is inclusive)	
100 – 200 (200 is not inclusive)	
-100 – 0; (0 is inclusive)	
-50 – 10; (10 is not inclusive)	