

## JS (Part 8)

### Practice Solutions

#### Ans 1

```
let nums = [1, 2, 3, 4, 5];

const square = nums.map((num) => num * num);
console.log(square);

let sum = square.reduce((acc, cur) => acc + cur, 0);

let avg = sum / nums.length;
console.log(avg);
```

#### Ans 2

```
let numbers = [2, 4, 6, 8, -2, -4];

console.log(numbers.map((number) => number + 5));
```

#### Ans 3

```
let strings = ["adam", "bob", "catlyn", "donald", "eve"];
console.log(strings.map((string) => string.toUpperCase()));
```

Ans 4

```
const doubleAndReturnArgs = (arr, ...args) => [  
  ...arr,  
  ...args.map((v) => v * 2),  
];  
  
doubleAndReturnArgs([1, 2, 3], 4, 4); // [1,2,3,8,8]  
doubleAndReturnArgs([2], 10, 4); // [2, 20, 8]
```

Ans 5

```
const mergeObjects = (obj1, obj2) => ({ ...obj1, ...obj2 });  
mergeObjects({ a: 1, b: 2 }, { c: 3, d: 4 }); // {a:1, b:2,  
c:3, d:4}
```