Here are simple questions for map(), filter(), and includes() in question form:

**Questions on map():**

1. **What does the map() method do in JavaScript?**
   * A) Does it change the original array or return a new one?
   * B) Does it apply a function to every element in an array?

**ANSWER:** A) Does it change the original array or return a new one

1. **How would you use map() to multiply each number in this array [1, 2, 3] by 3?**
   * Write the code that uses map() to achieve this.

**CODE** let numbers=[1,2,3];

const number=numbers.map(x=>x\*3);

console.log(number);

**OUTPUT:[ 3, 6, 9 ]**

**3.Does the map() method always return an array with the same number of elements as the original array?**

* + A) Yes
  + B) No

**OUTPUT:NO**

**Questions on filter():**

1. **What does the filter() method return?**
   * A) A single element
   * B) A new array with elements that satisfy a condition
   * C) The original array

**ANSWER:** B) A new array with elements that satisfy a condition

1. **How can you use filter() to get only the even numbers from the array [1, 2, 3, 4, 5]?**
   * Write the code that filters out only even numbers.

**CODE:** let a=[1,2,3,4,5];

let b=a.filter(x=>x%2==0);

console.log(b);

**OUTPUT:[2,4]**

1. **If none of the elements in an array pass the condition in filter(), what does filter() return?**
   * A) An empty array
   * B) null
   * C) The original array

**ANSWER:** A) An empty array

**Questions on includes():**

1. **What is the purpose of the includes() method in JavaScript?**
   * A) To add elements to an array
   * B) To check if a specific element is present in an array
   * C) To sort the array

**ANSWER:** B) To check if a specific element is present in an array

1. **How would you check if the number 10 is present in the array [5, 10, 15] using includes()?**
   * Write the code to check if 10 exists in the array.

**CODE** let number=[5,10,15];

let include=number.includes(10);

console.log(include)

**OUTPUT:true**

1. **What does includes() return when the element is not found in the array?**
   * A) true
   * B) false
   * C) undefined

**Answer:b)false**

**Questions on find():**

1. **What is the purpose of the find() method in JavaScript?**
   * A) To find and return a single element in the array that satisfies a condition
   * B) To return all elements that meet a condition
   * C) To modify elements in the array

**ANSWER:** A) To find and return a single element in the array that satisfies a condition.

1. **How can you use find() to return the first number greater than 20 from the array [10, 15, 25, 30]?**
   * Write the code to find the first number greater than 20.

**CODE**: let array= [10, 15, 25, 30];

let number=array.filter(x=>x>20);

console.log(number)

**OUTPUT:[25,30]**

1. **What does find() return if no element matches the condition?**
   * A) undefined
   * B) null
   * C) false

**OUTPUT:** A) undefined

**Questions on flat():**

1. **What does the flat() method do in JavaScript?**
   * A) Flattens nested arrays into a single array
   * B) Removes duplicates from an array
   * C) Reverses the order of the array

**ANSWER:** A) Flattens nested arrays into a single array.

1. **How would you flatten this array [1, [2, [3, 4]], 5] to a depth of 1 using flat()?**
   * Write the code that uses flat() to flatten the array to one level.

**Code:** **let a**=[1, [2, [3, 4]], 5] ;

console.log(a.flat().flat());

**output;** **[ 1, 2, 3, 4, 5 ]**

1. **If you call flat() on an array with no nesting, what will it return?**
   * A) The original array
   * B) A flattened version of the array
   * C) undefined

C) undefined