Quiz: Understanding this in JavaScript

Please answer those questions without running the code.

1. Question 1

Consider the following code snippet:

```
"use strict";
function myFunction() {
  console.log(this);
}

const obj = {
  prop: "Hello",
  method: function() {
    myFunction();
  }
};

obj.method();
```

What will be the output when obj.method() is called?

a) undefined b) null c) ReferenceError: myFunction is not defined d) Window

2. Question 2

Given the following code:

```
const calculator = {
  result: 0,
  add: function(num) {
    this.result += num;
  }
};

const addFunction = calculator.add;

calculator.add(5);
addFunction(3);

console.log(calculator.result);
```

What will be the output of the console.log statement?

a) 5 b) 3 c) 8 d) NaN

3. Question 3

Consider this constructor function:

```
function Dog(name) {
   this.name = name;
}

const dog = Dog("Buddy");
console.log(dog.name);
```

What will be the output of the console.log statement?

```
a) undefined b) "Buddy" c) ReferenceError: name is not defined d)

TypeError: Cannot read properties of undefined (reading 'name')
```

4. Question 4

Given the following code:

```
"use strict";

const obj1 = {
   name: "Alice",
   printName: function() {
      console.log(this.name);
   }
};

const obj2 = {
   name: "Bob"
};

obj2.printName = obj1.printName;

obj2.printName();
```

What will be the output when func() is called?

a) undefined b) null c) "Alice" d) "Bob"

5. Question 5

Consider the following code:

```
const obj = {
  name: "John",
  regularFunction: function() {
    console.log(this.name);
  },
  arrowFunction: () => {
    console.log(this.name);
  }
};

obj.regularFunction();
obj.arrowFunction();
```

What will be the output when obj.regularFunction() and obj.arrowFunction() are called?

a) "John" for both b) "John" for obj.regularFunction() and undefined for obj.arrowFunction() c) undefined for both d)

TypeError: Cannot read property 'name' of undefined