1. true || false && true.

False

True || false

True

1. let firstName = "trouble"; let lastName = "double";

(FirstName === "Batman" || firstName === "Trouble”) && (lastName === "Batman" || lastName === "kong")

(FirstName === "Batman" || firstName === "Trouble”) = false

(lastName === "Batman" || lastName === "kong") = false

False && false

false.

1. let a = 21;

a += 3;

let b = 5;

b -= a;

(a < 1) || (b >= 1) && (a!= b)

a=24

b=-19

(a < 1) = false || (b >= 1) = false && (a != b) = true

False

False || false

False.

1. let pet = "alligator" ;

let escape = "boat";

"The " + pet + " escaped. It was last seen on a " + escape;

The alligator escaped. It was last seen on a boat.

1. let George = "orge”;

let nickname = "Conquerer”;

let combinedName = George + “ “ + nickname;

(combinedName === George) || (George !== "George") &&(combinedName === "Conquerer") || (nickname === 42)

(combinedName === George) || (George !== "George") = false.

(combinedName === "Conquerer") || (nickname === 42) = True

False && true

False

1. ((42 === "42") && (42== "42")) || ((42 < "Whistle") || (42 > "234"))

false && true || false || false

false && true =false false || false= false

false || false

false

1. ((24\*23+12/2+22) % 2 === 1)

500 % 2 === 0 that is !==1

FALSE.

1. ((Math.pow(3,3) === 27) || (Math.cos(Math.PI) === 0)) || (Math.pow(Math.sin(1.2),1)+Math.pow(Math.cos(1.2),2) === 1);

(Math.pow(3,3) === 27) = TRUE

(Math.cos(Math.PI) === 0)) = FALSE

Math.pow(Math.sin(1.2),1)+Math.pow(Math.cos(1.2),2) === 1))

Sin (1.2)1 +cos (1.2)2 == 1.06… so = FALSE

TRUE || False || False.

TRUE || False = TRUE

TRUE || False = TRUE

TRUE

1. let sentence = "The world is green!";

sentence.substring(4,9) === "world" && sentence.length < 20 && sentence.length > 5 && sentence.substring(0,3) === "The world is red".substring(0,3);

sentence.substring(4,9) === "world" =TRUE

sentence.length < 20 =TRUE

sentence.length > 5 =TRUE

sentence.substring(0,3) === "The world is red".substring(0,3) =TRUE

true && true && true && true

true && true =true

true && true =true

true && true

TRUE

1. let bigCar = true;

let bearTrap;

"The variable bigCar has the value : "+ bigCar + ", while variable bearTrap is " + bearTrap + "If I compare bearTrap with undefined I get " + bearTrap===undefined;

The variable bigCar has the value : TRUE, while variable beartrap is UNDEFINED if I compare with undefined I get TRUE.