Javascript

Ex1:

A)

```
var a = 10;
var b = 5;
var c = a + b;
```

What is the value of the variable c ?

B)

```
var num1 = 10;
var num2 = 50;
num1 *= 9;
num2 /= num1;
num1 = 5+10 *3-1;
num2 =  9 * num1 ;
num2 = num1 / 8 +2;
```

What is the value of the variable num1 and num2 ?

Ex2:

```
var number = 10;
number ++ ;
number ++;
number +=  5;
number - - ;
number *=2;
```

What is the value of the variable number ?

Ex3:

on every expression write true or false ?

1<=8 +1
(2-3+4)*(9+7) && false
10 + 18 >= 3 || 4<= 10
10==10 || 10 === 10
10 == 10 && 20 == 30 || 5%2 == 1
10 == 10 || 20 == 30 && 5%2 == 1
20 == 30 || 10 == 10 || 5%2 == 0
(33 > 20) || (2 < 12) && 10 || 2<= 3 && !true
true && true || false || true
true && false || 8< 10 && !false
true || false && 5<= 9 || 10 != 38
!false || !true && !false &&| !true
(!10) && (10) || (!10) && (10) && 2<9 || true
(!false) || (!10)

Ex 4:

Write on every expression what will be printed, below you can see the values of all the variables.

var A = 5;
var B = 3;
var C = 19;
var D = -2;
var X = 4;
var Y = 1;

```
(1)    (5*X)+2*((3+B)+4)
(2)    (5*(X*2)*3)*(B+4)
(3)    A == (B=5*5+Y)
(4)    A += (X+5+A-Y)
(5)    A != (C *= (-D+A))
(6)    A *= A+(7-X-D+3)
(7)    A %= D++
(8)    A %= ++D
(9)    (X++)*(A+C)+ (A++)
(10)    A = A-- + X*(B<A)+Y*!(B<C)+5%2
(11)    !(X-D+C)||D+B+A && D++
(12)    A&&C||!0&&A&&!D
(13)    ((A&&B)||(!0&&C))&&!D || A || B && Y
(14)    ((A&&C)||!0)&&(C&&(!D)) && !A || !B
```

Exercice 5:

Give value to the variable a, b, c, d in order that the if() **will be TRUE**?
Give value to the variable a, b, c, d in order that the if() **will be FALSE**?

```
if( a || b  || c  || d || false )

if( a == b  || c <= d)

if (  a <= c && c <= d || !b)

if ( a != b || a<c && !c )

if ( a != b ||a<= c || a<= b || true)

if ( a != b ||a<= c || a< b || c==c )

if ( a%b == 0 && c%d == 1 )
```

ECOM SCHOOL
המכללה למקצועות הדיגיטל וההייטק