Module 01: Basic MATLAB Programming

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M01-Q1: Which of the following scripts have <u>errors</u>?

(a) John = 1;

(b) __Tom = 10;

(c) var_mat_1 = 3;

(d) var*2 = 3;

M01-Q2: What is the value in var3?

```
x1 = 6;
x2 = 11;
var1 = x2 < x1 + 2^4;
var2 = 2^4 + x2 < x1;
var3 = var1 + var2;
```

M01-Q3: What is the value in *var3*?

```
x1 = 6;
x2 = 11;
var1 = (3 < x1) && (x1<10)
var2 = 12 > x2 > 3;
var3 = var1 + var2;
```

M01-Q4: Which rounding function should be used to round a number toward 0?

) round(x)	
В)) fix(x)	
C)) ceil(x)	
D)) floor(x)	

M01-Q5: What value is assigned to var3?

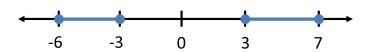
```
x1 = 46;
x2 = 7;
var1 = fix(x1/x2);
var2 = x1 - var1*x2;
var3 = var1*x2 + var2;
```

M01-Q6: What will class (Var) return?

```
Var1 = double('a');
Var2 = Var1 + 10;
Var = Var2 > 0;
```

M01-Q7: Please answer the following question.

Which of the script to check if x is placed at the intervals in blue? If yes, assign true in \lg . Otherwise, assign false



```
lg1= (x>=-6) && (x<=-3);
lg2= (x>=3) && (x<=7);
lg= lg1 && lg2;
(c)
```

```
lg2 = or (x>=3, x<=7);
lg = and(lg1, lg2);
(b)</pre>
```

lg1 = or(x>=-6, x<=-3);

```
lg1= (x>=-6) || (x<=-3);
lg2= (x>=3) || (x<=7);
lg= lg1 || lg2;
(d)
```