**Assignment 1.1**

format bank

exp(1i\*pi)+1

**Assignment 1.2**

x=pi/6;

aps= x-(x^3)/factorial(3)+(x^5)/factorial(5);

difference=aps-sin(x)

**Assignment 1.3**

for P = [true, false]

for Q = [true, false]

res = P || ((~P) || Q)

end

end

**Assignment 1.4**

Since ``-1 < 0 < 0.5`` means ``(-1 < 0 )< 0.5`` => ``1<0.5``, it will return 0.

-1 < 0 < 0.5

**Assignment 1.5**

x = 1:1:100;

X = floor(x(x<50 & rem(x,3)==0));

disp(X)

**Assignment 1.6**

x = 2;

y = 3;

x, y

% swap

t = x;

x = y;

y = t;

x, y

**Assignment 1.7**

x = 100:-2:2;

disp(x)

**Assignment 1.8**

No! Because array[1, 2, 4, 8, 16, 32] is not an **EVENLY SPACED** array.

**Assignment 1.9**

X = repmat(eye(2), 2, 3);

disp(X)

**Assignment 1.10**

A = rand(3, 3)

B = rand(3, 3)

(A+B)'

A'+B'

I found that (A+B)' is equal to A'+B'