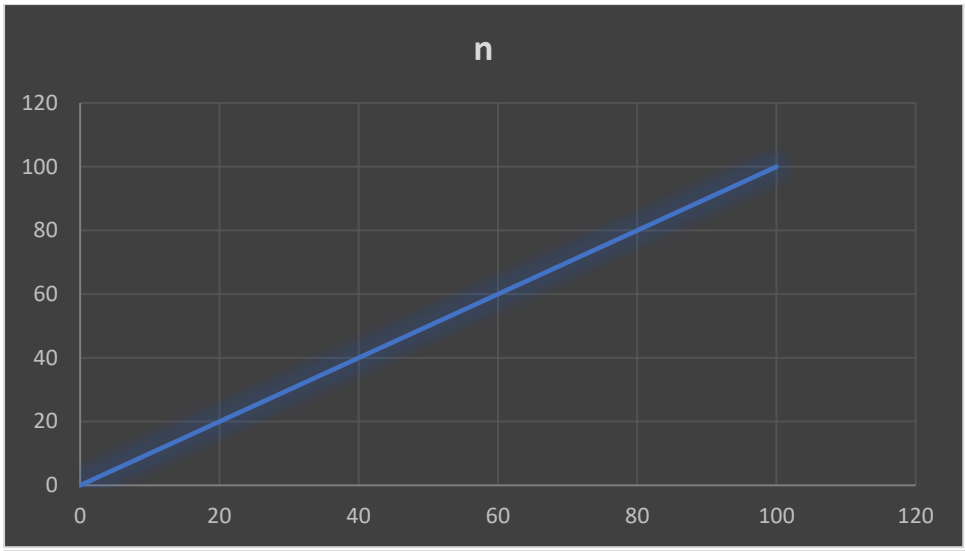
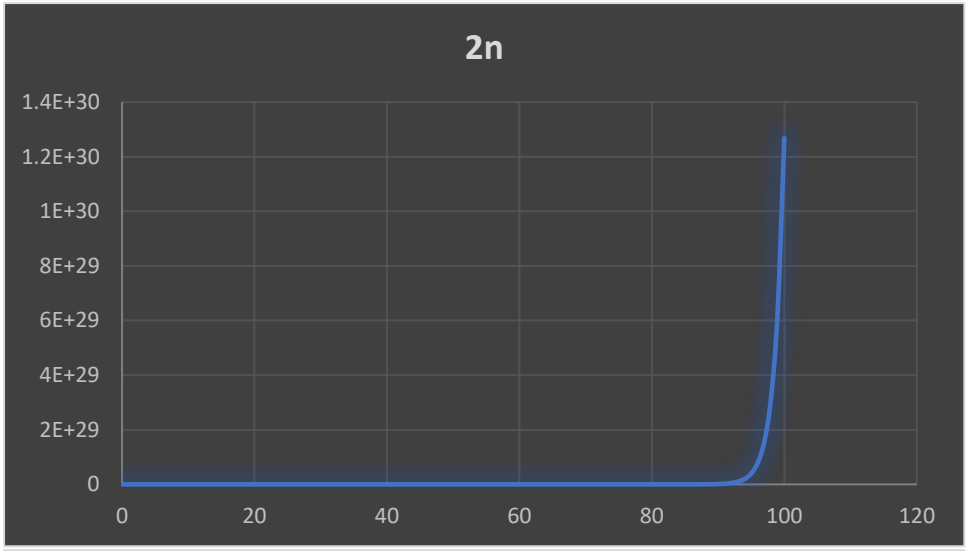
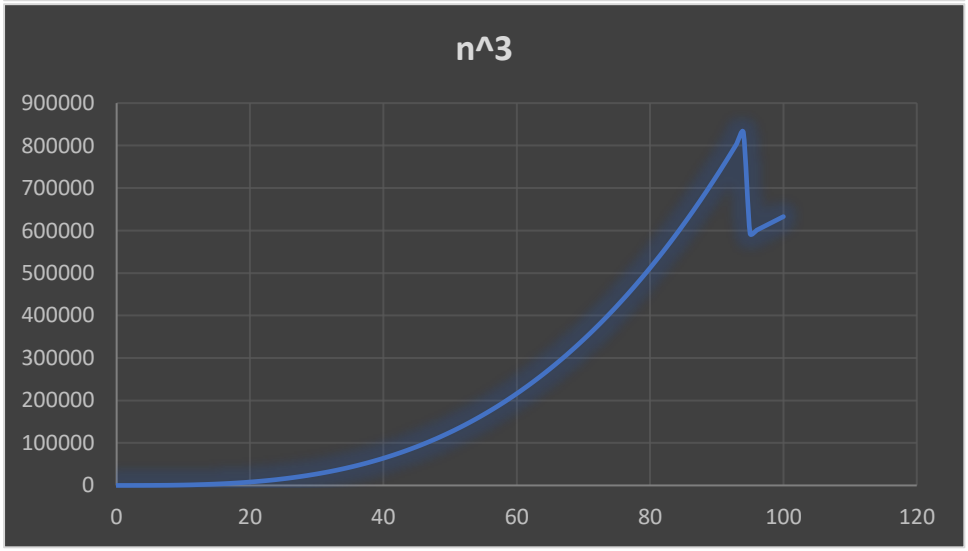
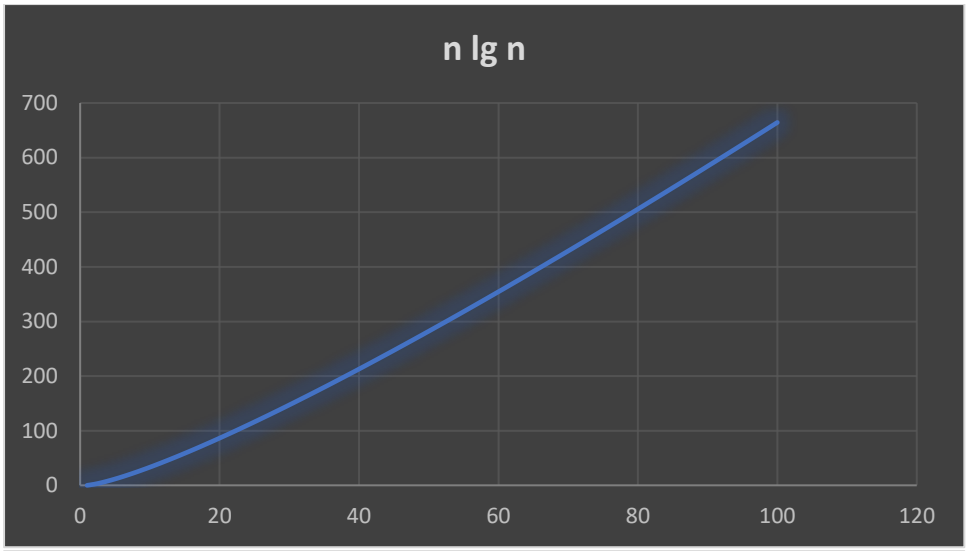
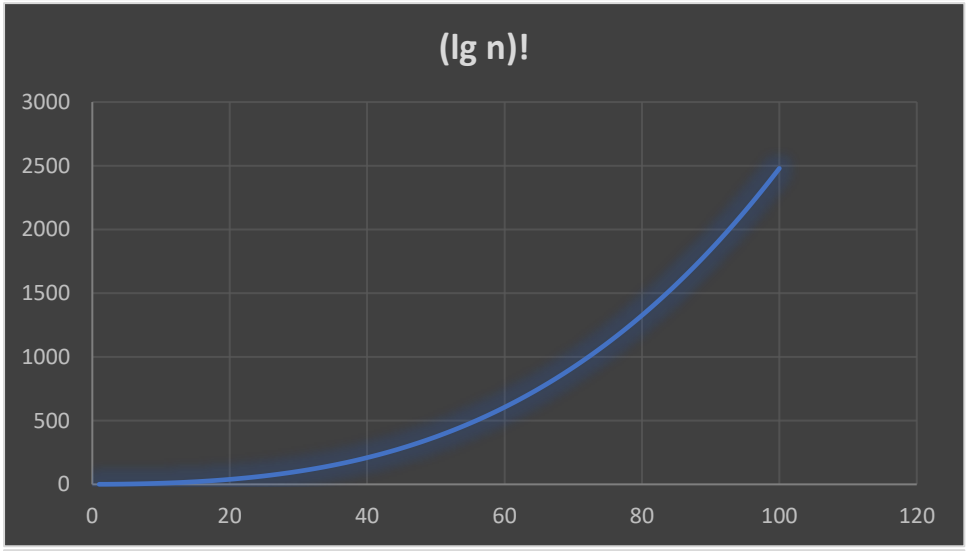
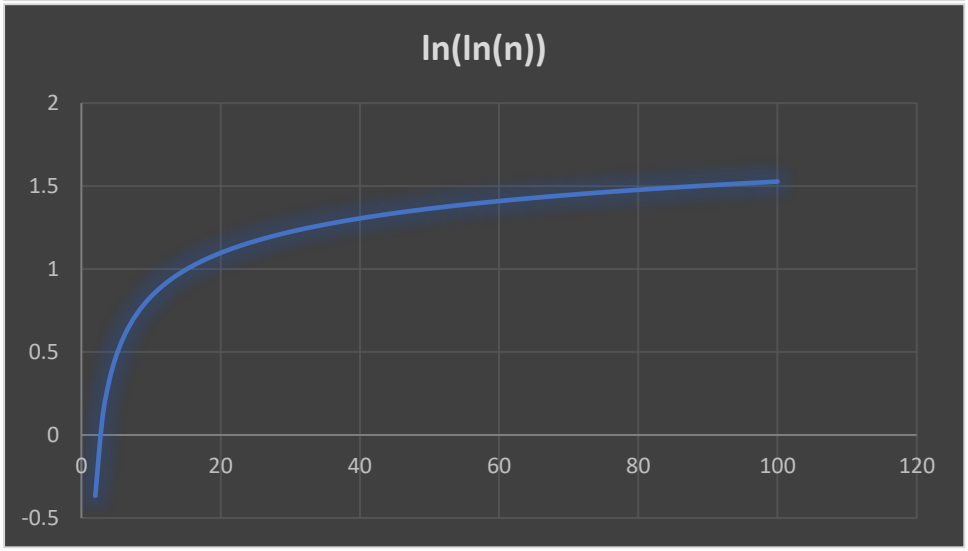

n
120
100
80
60
40
20
0
0
20
40
60
80
100
120

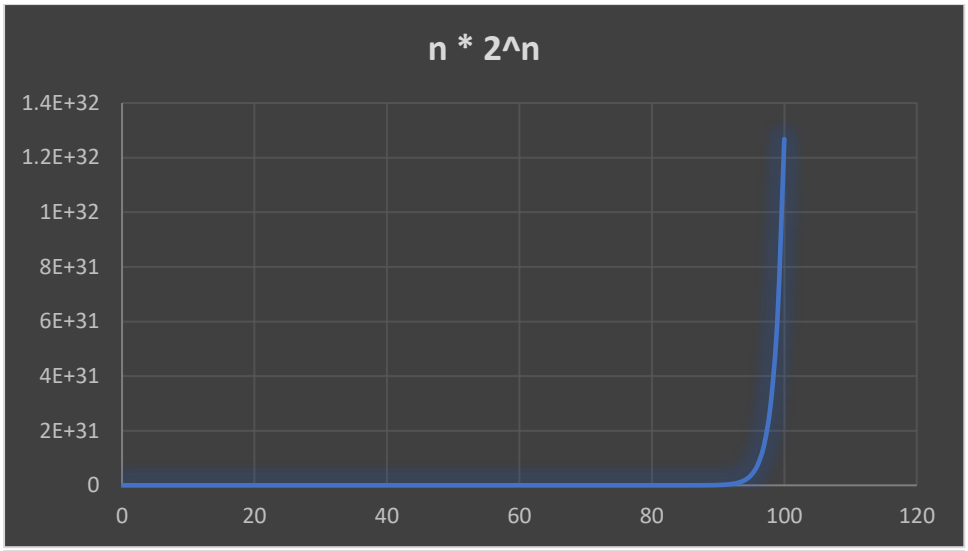

2n
1.4E+30
1.2E+30
1E+30
8E+29
6E+29
4E+29
2E+29
0
0
20
40
60
80
100
120

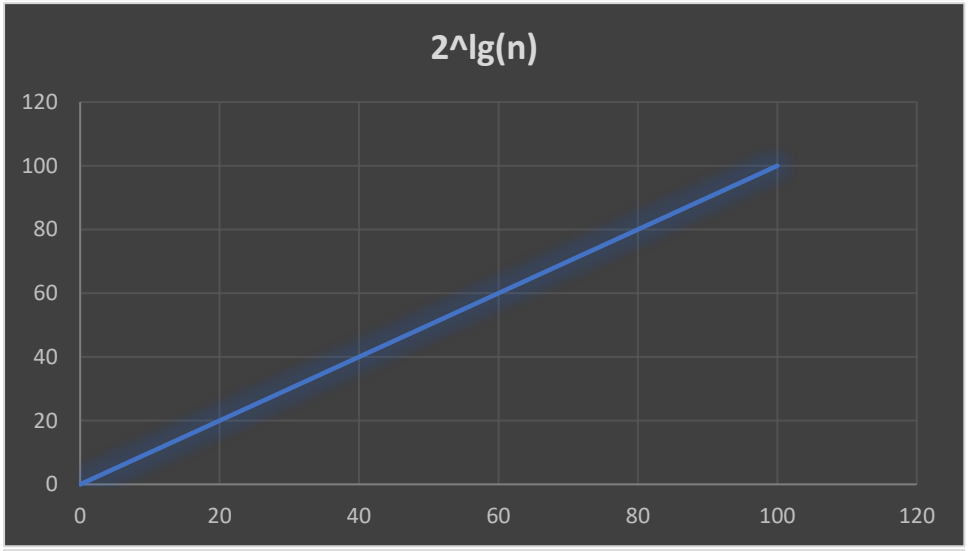

n^3
900000
800000
700000
600000
500000
400000
300000
200000
100000
0
0
20
40
60
80
100
120

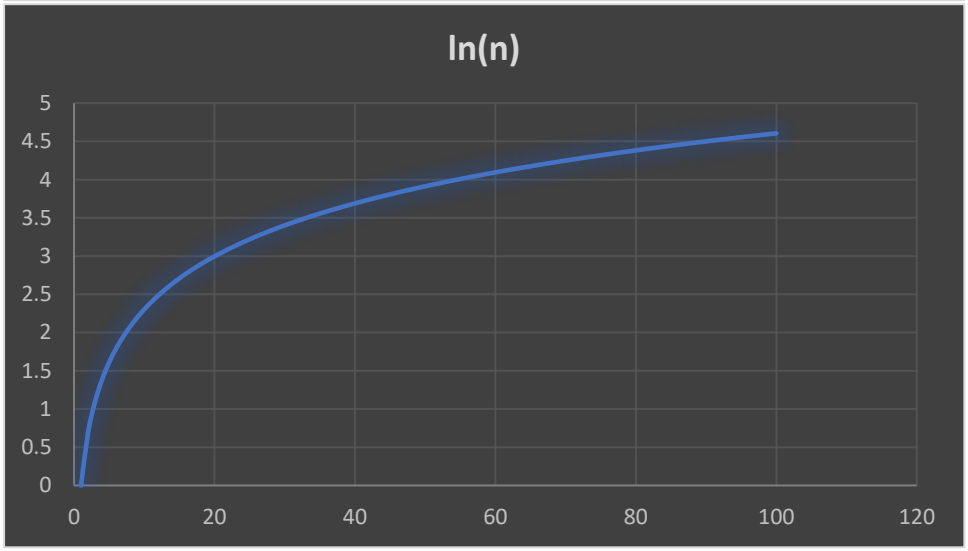

n lg n
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120

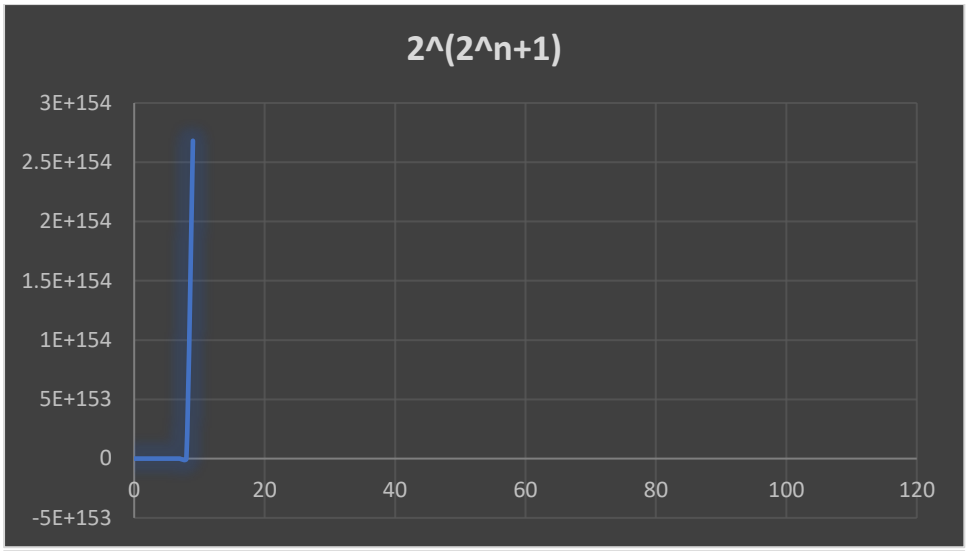

(lg n)!
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120

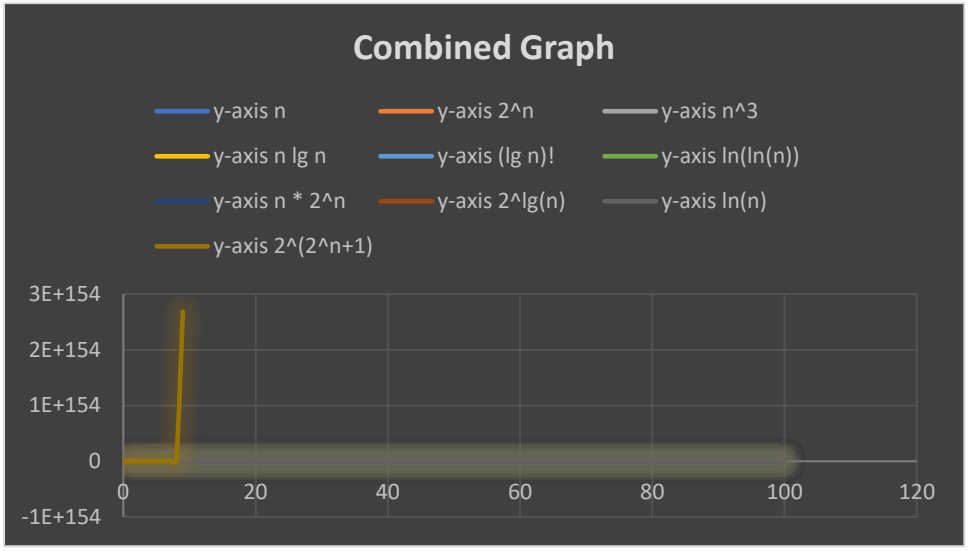

ln(ln(n))
2
1.5
1
0.5
0
-0.5
0
20
40
60
80
100
120


n * 2^n
1.4E+32
1.2E+32
1E+32
8E+31
6E+31
4E+31
2E+31
0
0
20
40
60
80
100
120


2^lg(n)
120
100
80
60
40
20
0
0
20
40
60
80
100
120


ln(n)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100
120


2^(2^n+1)
3E+154
2.5E+154
2E+154
1.5E+154
1E+154
5E+153
0
-5E+153
0
20
40
60
80
100
120


Combined Graph
y-axis n
y-axis 2^n
y-axis n^3
y-axis n lg n
y-axis (lg n)!
y-axis ln(ln(n))
y-axis n * 2^n
y-axis 2^lg(n)
y-axis ln(n)
y-axis 2^(2^n+1)
3E+154
2E+154
1E+154
0
-1E+154
0
20
40
60
80
100
120