

Student Name in Arabic:

Section:

B.N. :

Find the interpolating polynomial that fit the following data, using two different methods, and then find one of the roots of the interpolating polynomial using inverse interpolation.

x	-1	3	9	13	20
y	5	7	-15	4	9

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Dr. khaled Elnaggar

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Student Name in Arabic:

Section:

B.N. :

Find the interpolating polynomial that fit the following data, using two different methods, and then find one of the roots of the interpolating polynomial using inverse interpolation.

x	-3	7	9	14	21
y	0	3	-12	4	2

Dr. khaled Elnaggar

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Faculty of Engineering (Shoubra)
Engineering Mathematics and
Physics Department



Benha University
Mechanical Department
1st year Power
Time allowed:20 Minutes

2nd Quiz

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Student Name in Arabic:

Section:

Find the interpolating polynomial that fit the following data, using two different methods, and then find one of the roots of the interpolating polynomial using inverse interpolation.

x	1	5	11	17	30
y	-5	6	15	2	-9