If fx=x3, find the value of f[a,b,c]
a+b+c

If fx=2x3+3x2-x+1, find f[1,-1,2,3]
2

Which of the following methods is not applicable in solving interpolation of equal spaced nodes
Newton's differences

If f1=-3, f3=9, f4=30, f6=132. Find the Lagrange's interpolation polynomial of f(x)
1/30(x3-8x2+19x-12)

Which of the following correctly defined Lagrange's polynomial
Pnx=∑i=0nfxiLi(x)

∆2fk can be defined as
fk+2-fk+1+fk

_____ is a method used to determine an approximate value of f(x) or f'(x) for some values x at a given interval
Finite difference method

Determine the value that satisfied the Lagrange's polynomial ∑i=0nLi(x)
1

Evaluate x=1.4 using Lagrange's interpolation formula given
f1.2=3.3201, f1.7=5.4739, f1.8=6.0496, f2.0=7.3891
4.05826

Find the divided differences interpolation polynomial for the data f0=-4, f2=6, f3=26, f4=64
Px=x3+x-4