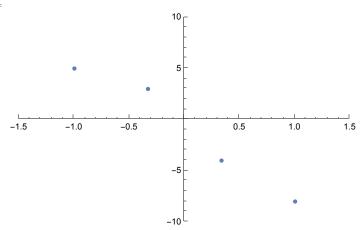
```
In[131]:=
         ym1 = 5; ym13 = 3; y13 = -4; y1 = -8;
In[132]:=
         a = (9 (y1 - ym1) - 27 (y13 - ym13)) / 16
Out[132]=
         9
         2
In[133]:=
         b = 27 ((y1 + ym1) - (y13 + ym13)) / 48
Out[133]=
In[134]:=
         c = (27 (y13 - ym13) - (y1 - ym1)) / 16
Out[134]=
         - 11
In[135]:=
         d = (27 (y13 + ym13) - 3 (y1 + ym1)) / 48
Out[135]=
         - <del>3</del>
- <del>8</del>
In[136]:=
         f[x_] := ax^3 + bx^2 + cx + d
In[137]:=
         f[-1]
Out[137]=
         5
In[138]:=
         f[-1/3]
Out[138]=
         3
In[139]:=
         f[1/3]
Out[139]=
         - 4
In[140]:=
         f[1]
Out[140]=
```

- 8

In[141]:=

 $lp = ListPlot[{\{-1, ym1\}, \{-1/3, ym13\}, \{1/3, y13\}, \{1, y1\}\}, } \\ PlotRange \rightarrow {\{-1.5, 1.5\}, \{-10, 10\}\}}$

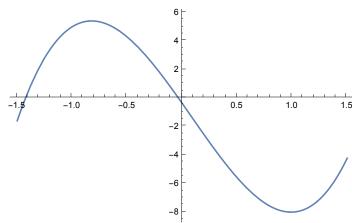
Out[141]=



In[142]:=

 $p = Plot[f[x], \{x, -1.5, 1.5\}]$

Out[142]=



In[143]:=

Show[lp, p]

Out[143]=

