```
In[65]:= Clear[y, x, a0, a1, a2, xx, yy];
       xx = \{-3, -2, -1, 0, 1, 2, 3\};
       yy = \{3, -0.2, -1.6, -2, -1.4, 0.6, 2.8\};
       y[x_] = a0 + a1x + a2x;
       s = 0;
       n = Length[xx];
       For [i = 1, i \le n, i++,
          s += (yy[[i]] - y[i])^2;
         ];
       Print[Expand[s]];
       25.76 - 2.4 \text{ a0} + 7 \text{ a0}^2 - 12. \text{ a1} + 56 \text{ a0} \text{ a1} + 140 \text{ a1}^2 - 12. \text{ a2} + 56 \text{ a0} \text{ a2} + 280 \text{ a1} \text{ a2} + 140 \text{ a2}^2
 ln[73]:= s0 = \partial_{a0} s // Expand
       s1 = \partial_{a1}s // Expand
       s2 = \partial_{a2} s // Expand
Out[73] = -2.4 + 14 a0 + 56 a1 + 56 a2
Out[74] = -12. + 56 a0 + 280 a1 + 280 a2
Out[75]= -12. + 56 a0 + 280 a1 + 280 a2
```