x	-3	-2	-1	1	3
y	0.9	.8	0.4	0.2	0

$$y = a_2 x^2 + a_1 x + a_0$$

$$\begin{bmatrix} 6 & -2 & 1 \\ 3 & 10 & 12 \\ 0 & 1 & 3 \end{bmatrix} \begin{bmatrix} a_0 \\ a_1 \\ a_2 \end{bmatrix} = \begin{bmatrix} 2 \\ 4 \\ 6 \end{bmatrix}$$

$$A = \begin{bmatrix} 6 & -2 & 1 \\ 3 & 10 & 12 \\ 0 & 1 & 3 \end{bmatrix}, \quad A_1 = \begin{bmatrix} 6 & 2 & 1 \\ 3 & 4 & 12 \\ 0 & 6 & 3 \end{bmatrix}$$

$$a_1 = \frac{\det A_1}{\det A}$$