

$$y = w_1 x + w_0$$

x	y
3	0
4	-3
5	-1
6	-2

$$\begin{array}{r}
 0 = 3w_1 + w_0 \\
 -3 = 6w_1 + w_0 \\
 \hline
 -3 = 3w_1 \\
 w_1 = -1
 \end{array}$$

$$y = -1x + w_0$$

$$-1 = -4 + w_0$$

$$3 = w_0$$

$$y = -x + 3$$