Punto 1

Entonus =>
$$Df(x_i)$$
: $\frac{f(x_{i+1}) - f(x_{i-1})}{2h} + O(h^2)$

ahora =
$$D^2 f(x_i) = \frac{f'(x_{i+1}) - f'(x_{i+1}) + O(h^2)}{2h}$$

=>
$$D^2 f(x_1) = \frac{f^2(x_1+2)-f(x_1)}{2h} + \frac{f(x_1-2)-f(x_1)}{2h} + o(h^2)$$

$$= \frac{f(x_{i+2}) - 2f(x_{i}) + f(x_{i}-2)}{4h^{2}} + o(h^{2})$$

$$D^{2}((x_{1})=7) = \frac{f(x_{1}+2)-2f(x_{1})+f(x_{1}-2)}{4h^{2}} + O(h^{2})$$