P2(x) = 90 + 01 x + 02 x2

$$\frac{\sum_{i=1}^{5} y_{i} = a_{0} \frac{\sum_{i=1}^{5} + a_{1} \frac{\sum_{i=1}^{5} x_{i} + a_{1} \frac{\sum_{i=1}^{5} x_{i}}{\sum_{i=1}^{5} x_{i} y_{i}} = a_{0} \frac{\sum_{i=1}^{5} x_{i} + a_{1} \frac{\sum_{i=1}^{5} x_{i}}{\sum_{i=1}^{5} x_{i} y_{i}} = a_{0} \frac{\sum_{i=1}^{5} x_{i} + a_{1} \frac{\sum_{i=1}^{5} x_{i}}{\sum_{i=1}^{5} x_{i} y_{i}} = a_{0} \frac{\sum_{i=1}^{5} x_{i} + a_{1} \frac{\sum_{i=1}^{5} x_{i}}{\sum_{i=1}^{5} x_{i} y_{i}} = a_{0} \frac{\sum_{i=1}^{5} x_{i} + a_{1} \frac{\sum_{i=1}^{5} x_{i}}{\sum_{i=1}^{5} x_{i}} + a_{2} \frac{\sum_{i=1}^{5} x_{i}}{\sum_{i=1}^{5} x_{i}} = a_{0} \frac{\sum_{i=1}^{5} x_{i} + a_{1} \frac{\sum_{i=1}^{5} x_{i}}{\sum_{i=1}^{5} x_{i}}}{\sum_{i=1}^{5} x_{i} + a_{1} \frac{\sum_{i=1}^{5} x_{i}}{\sum_{i=1}^{5} x_{i}}}$$

$$6 = 5 a_0 + 10 a_1$$
 $a_0 = 0.343$
 $0 = 10 a_1$ $a_1 = 0$
 $18 = 10 a_0 + 34 a_2$ $a_1 = 0.42857$

az: 0. 42857

maka: Pr(x) = 0.343 + 0.42857 x2

2)
$$f(x) = |x|$$
 [-3,3]
 $a_0 \int_{-3}^{3} x^0 dx + a_1 \int_{-3}^{3} x^1 dx + a_1 \int_{-3}^{3} x^1 dx = \int_{-3}^{3} x^0 (|x|) dx$
 $a_0 \int_{-3}^{3} x^1 dx + a_1 \int_{-3}^{3} x^1 dx + a_2 \int_{-3}^{3} x^2 dx = \int_{-3}^{3} x^1 (|x|) dx$
 $a_0 \int_{-3}^{3} x^1 dx + a_1 \int_{-3}^{3} x^2 dx + a_1 \int_{-3}^{3} x^2 dx = \int_{-3}^{3} x^2 (|x|) dx$

$$6 a_0 + 18 a_2 = 9$$

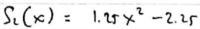
$$18 a_1 = 0$$

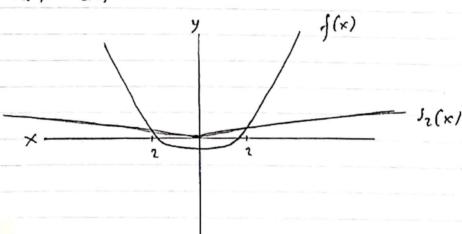
$$18 a_0 + \frac{236}{5} a_1 = \frac{81}{2}$$

$$a_1 = 0$$

$$a_1 = 0$$

$$a_1 = 0$$





$$S_{n}(\kappa) = |x| \qquad [-\pi, \pi]$$

$$S_{n}(\kappa) = \frac{q_{0}}{2} + a_{n}(s_{1}n + \sum_{k \in I} (a_{x}(s_{1}kx + bx)s_{n}(kx))$$

$$a_{x} = \frac{1}{n} \qquad [x| \quad s_{n}kx + bx \leq s_{n}kx)$$

$$b_{x} = \frac{1}{n} \qquad [x| \quad s_{n}kx + bx \leq s_{n}kx)$$

$$a_{0} = \frac{1}{n} \qquad [x| \quad s_{n}kx + bx \leq s_{n}kx)$$

$$a_{0} = \frac{1}{n} \qquad [x| \quad s_{n}kx + bx \leq s_{n}kx)$$

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$$a_{0} = \frac{1}{n} \qquad [x| \quad s_{n}kx + bx \leq s_{n}kx + bx \leq s_{n}kx + bx \leq s_{n}kx$$

$$a_{0} = \frac{1}{n} \qquad [x| \quad s_{n}kx + bx \leq s_{n}kx$$

Biggs & A glad o and K