2.

x	0	0,5	1
y	2	5	4

Znaleźć fcje interpolujące

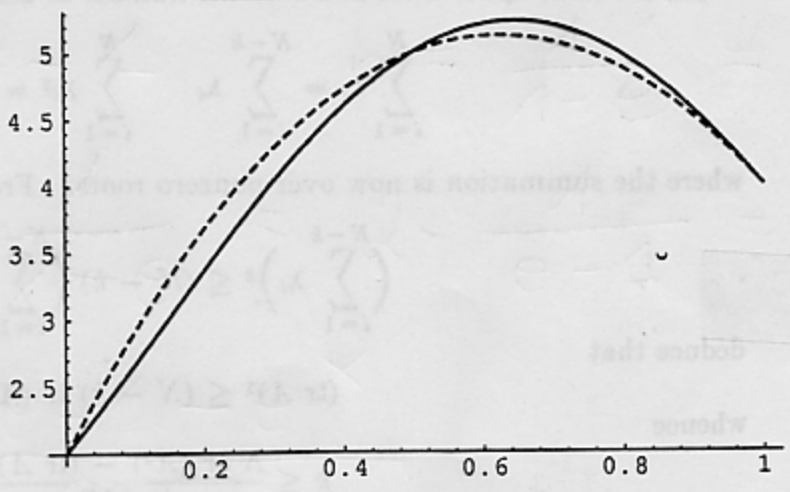
a) $P(x) = a + b\cos \pi x + c \sin \pi x$

b) $p_2(x) = ax^2 + bx + c$

$$\left.\begin{aligned} P(0) &= a + b = 2 \\ P(1/2) &= a + c = 5 \\ P(1) &= a - b = 4 \end{aligned}\right\} \quad \begin{aligned} a &= 3 \\ b &= -1 \\ c &= 2 \end{aligned}$$

$$P(x) = 3 - \cos \pi x + 2 \sin \pi x$$

$$p_2(x) = -2(4x^2 - 5x - 1)$$



dash: $P(x)$ solid line: $p_2(x)$