Math 513-131	Quiz 2	(B)
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Q.1: Find eigenvalues and eigenfunctions of $y'' + \lambda y = 0$ with y(0) = 0 and y(1) + y'(1) = 0

Q.2: Let $y_n = \sin\left(\frac{(2n-1)x}{2}\right)$ be the eigenfunctions of $y'' + \lambda y = 0$ with y'(0) = 0 and $y'(\pi) = 0$. Express f(x) = x as eigenfunction expansion of these eigenfunctions.