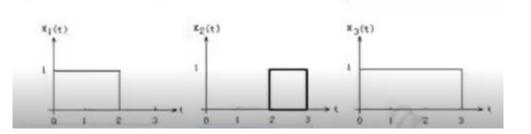
Problem:

Use the Gram-Schmidt procedure to find a set orthonormal basis functions corresponding to the signals show below. Express x1, x2, and x3in terms of the orthonormal basis functions. Draw the constellation diagram for this signal set



$$P(t) = \frac{1}{\int_{E_1}^{\infty}} = \frac{1}{\int_{R_1}^{\infty}} (t) dt$$

$$= \frac{1}{\int_{R_1}^{\infty}} (t) dt$$

9; H = S(A- 5 5 9)(t)

P;(+)= 9:(+)

