4

THESE ARE TAKEN FROM A POLYNOMIAL $P(x)$ OF DEGREE ≤ 5 ... DEG $P_n(x)$

WHAT IS THE SPECIFIC DEGREE OF $P(x)$?

x	-2	-1	0	1	2	3
$P_n(x)$	-5	1	1	1	7	25

IN ORDER FOR $P_n(x)$ TO CORRESPOND TO 6 DISCRETE DATUM,

$$P_n(x) \doteq P(x) \quad (?)$$

$$\& \quad \text{DEG}(P_n) = n-1$$

(GOT THIS FROM A TEXTBOOK, IN SECTION ON LAGRANGE FORM...)