$an = 2.3^n$ 3 un-1 3(3an-2) an = 2n +3

Assignment to 4348907, 6,176733963 XIO14 g) an= +(2n+29(-11"-1) |y| a) $a_n = a_{n-1} + 0.05(a_{n-1}) + 1000$, $a_0 = 50,000$ $|a_n = 1.05(a_{n-1}) + 1000$ 6/83,421.9 gan=10,000 ((3)1,71+1-2 18 a) p(n) = n. p(n-1), p1 = b) P(n)= N(n-1)[n-2](n-3)... 7.2 y a Degree 2 b) No c) No d e) No f No g) Degree X1=2 / X2=-1/ X3= $\alpha_{n-x,2} + \alpha_{,1} (-1)^{n} + \alpha_{3}$ $\alpha_{r-1} + \alpha_{2} - 2 + \alpha_{3} = 6$ an=-21-11+6

e/ an = 2(n+1)n! t/ an = 3.2.n!

 $\frac{|y| x^{4} - 5x^{2} + 4 = 0}{x_{1} = -1, x_{2} = 1, x_{3} = -2, x_{4} = 2}$ $a_{n} = \frac{x_{1}(-1)^{n} + \alpha^{2} + \alpha^{3}(-2)^{n} + \alpha^{2}}{x_{1}=1, x_{2}=1, x_{3}=0, x_{4}=1}$ 201