Reale's Test; The series Eun of pose (i) Convergence if It n/thn (ii) Divergence if It n (iii) Test fails if It n (un unt) J. Test the convergence of series : H + 3x + B13 Sd:- 4/2 In the series (1) + 3 x + 3.6 x² + 3.6.9 x³ + 7 7.10 7.10.13 can amount as we are concerned with the general form of un (3n-3) (3n) 7.10.13 (3n+1) (3n+4) $u_{n+1} = 3.6.9 ... (3n-3)(3n).7.7.10.13...$ un 7.10.13- (3n+1) (3n+4) 3.6.9-... 2) Unt = 3n -x

classmate If $u_{n+1} = u_n + u_n + u_n = u_n + u_n + u_n = u_n + u_n + u_n + u_n + u_n + u_n = u_n + u_n$ > x<1 > convergent x>1 > divergent 3n+4 3× :- convergent :- divergent

So. Find the convergnce of the series = By Raabe 4.6 (2n+2) × 3.5 (2nt) (2nt3) ×4.6 (2nt2) (2nt2) un+1 3.5 (2n+1) × 4.6 (2n+2) 2.42 (2n) (2n+2) × 22n+2 =(2n+3)(2n+4)(2n+2)2 x2 (2n+3)(2n+4) -L (2n+2)2.x2 14n +8 4n²+8n+8



