14 (x)= 10,06x42a In-e llipequirepo! | 12- 2mE - th y"= EY y"+62 420. (101 2 B 20, V(2a) 2 As, 12abeo - 56, h 2ab 20 6 replace Boys comosum n = 2 2) Yilley 2 { A 9, in Szm. h2 x , x 6 [9 2 a] = { A S. In . = X , X 6 E 9 2013 A nangëre uy yorlobur hopmegroben

\$ 9,2 d x 2 \$ A GINTER X - A2. Q = 1 -> - A 2 1 4 180gs 2 { 50 9. 11 Tax dx, x61gm 3. (\hat{x}) $u(\hat{p}^2)$ $(\hat{x}) = \langle n | \hat{x} | n \rangle^2 \int X \psi_1^2 | x | dx = | \frac{1}{3} | \frac{1}{3} | x | | \frac{1}$

4/x1= { B x 1x-20), 0 < x 2 20 в с Эмой систем дисприствый Va Ca Sin Jun h 2 Jun x 2 Cu sin Ten x I Ch Shink xdx 21 -> Cu 2 Ja morga VIXI = E. Bn Yn (x). By 2 Je 4(x) Yn(x) dx Ja Sa Shiza x · B x (x-ra) ofx 5 BEXTEXPUT GOR & SINTEN X XX 2 16a2 B. ((-11"-1) В из условия пормировии 182 x 2 (x-2a) 2 dx = 16 a 5 B 2 1 -> B 2 515 znarum Bn 2 16 a 2. 575 · a 2 (1-1) 1)

Br = +48is 2 / 1st A(-1)2-1)20

Beparencent enapyreum rasungy: P2 1 B2 12 Mat 0