(5 278 Lab 10 8.3.1 @ \(\frac{2}{5}\) \(\fra -27 - 8 + x + 8 = [-27] (h) 5,100 (3, (1.1)) = 3 ((1.1)01-1) = 3(15,158.674-1) [454,736.207) 8.3.2 6 -2+-1+0+1+2+3+4+5 Ex-2(K) (D) 03+13+ +173 (E) (k3) (c) The sum of the cubes of first 15 positive integers
[\(\int_{\kappa=1}^{15}(k^3)\)]

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83.3 @ 5 == 0 (12-46-1) = (2 == 0 (k2-4k-1) + ((M+Z)2-4(M+Z)+1) @ 5/20 (k2+4k+3) = [22-2(12-41-43)+((2-1)2+4(2-1)+3)] 8.3.4 D = 2-1 (2(E-2)), 5=k-1 = (2)=-1 (2(5-1)) (1) E = 3-4 = (Z(K+4)+4) © € 20 (6K-4), j= K+5 = (E)=15 (6(j-5)-4) 8.3.7 @ Rebbits on farm grow 12% each year, ro = 30. Define {rn} -Find expression for 1,2 $r_{12} = 30(1.12)$

Sy=1 10 × 30(1.12)(9-1) 300 ((1.12) -1) (0)