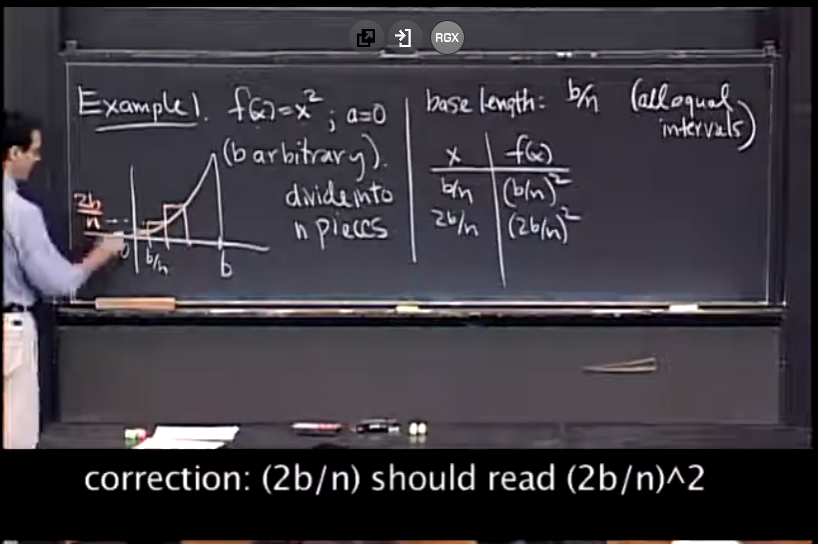
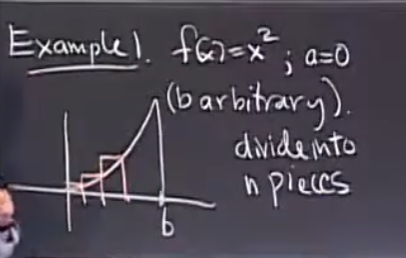
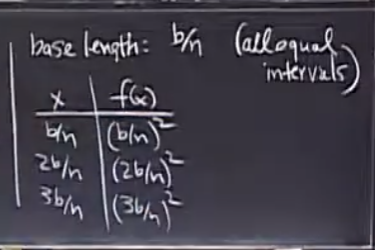
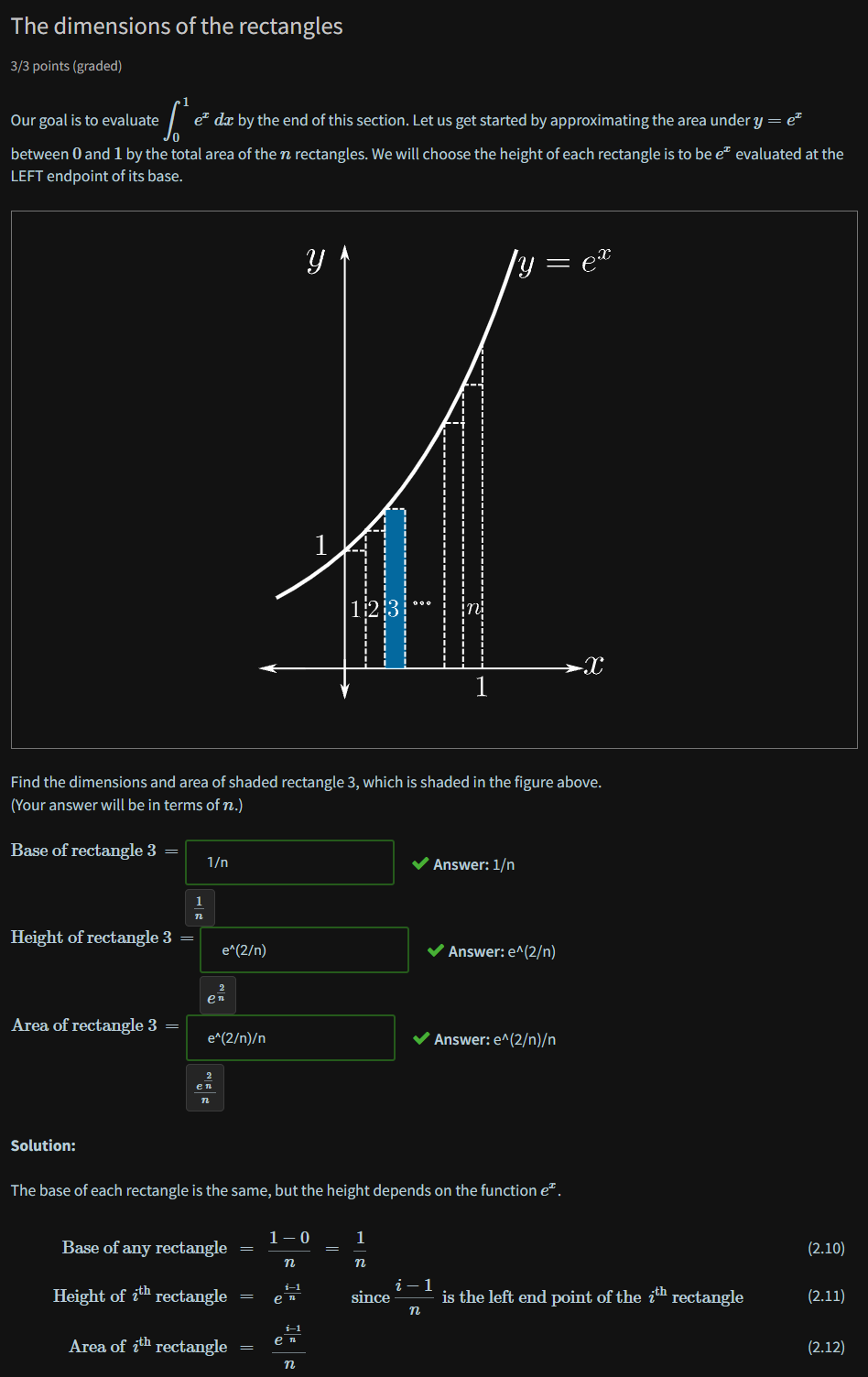
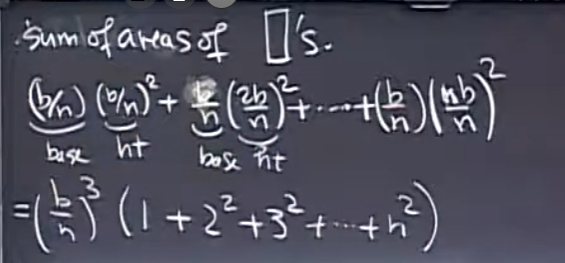
**Part 1: Area of each rectangle**

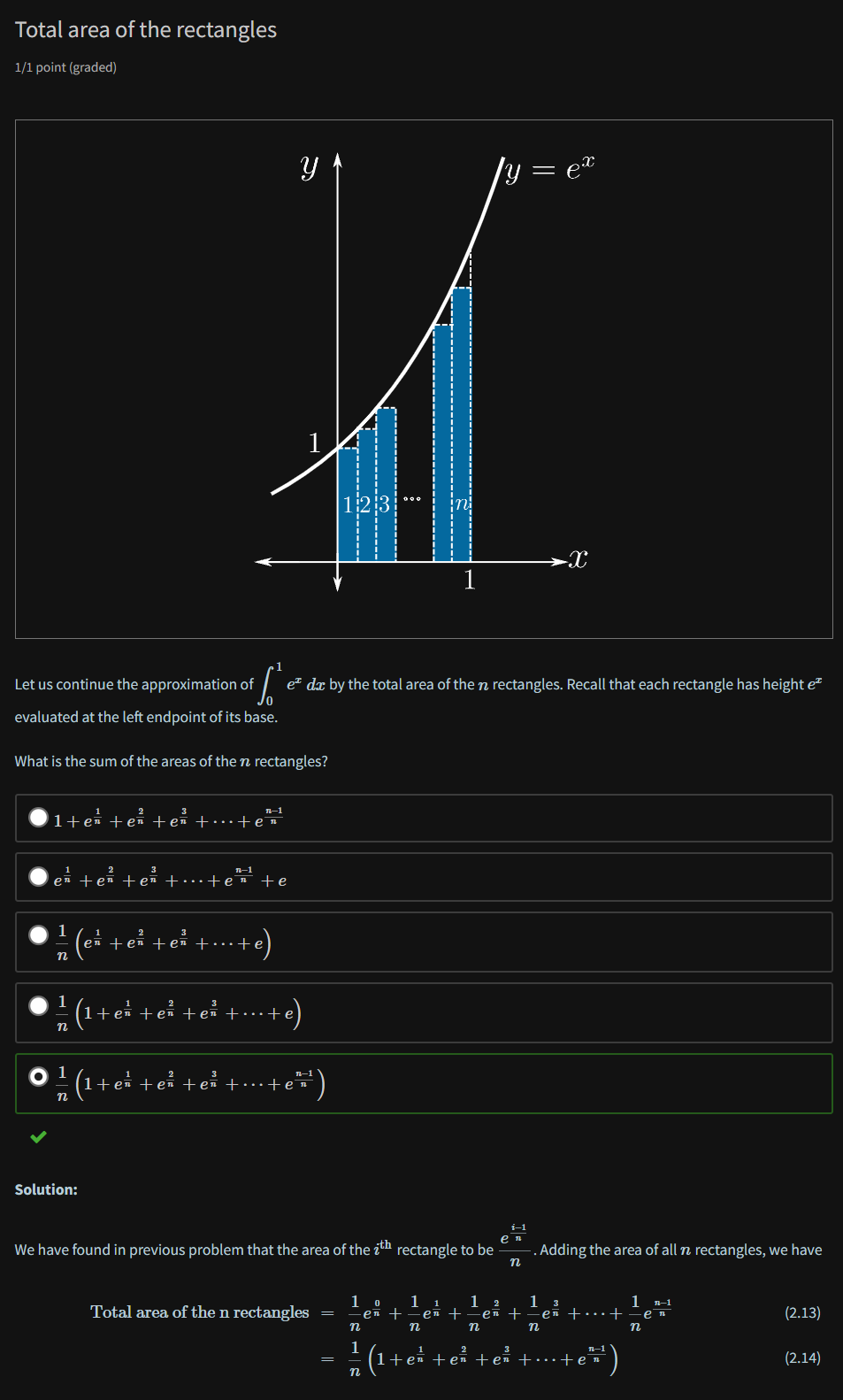






### Part 2: Total area of the rectangles





### Part 3: Taking the limit

