1	1-9	10	11	12	13	14	15	16	XXX	ххх	ххх	XXX	XXX	xxx	тот	
University of Gaziantep, Department of Student Name, Surname : Student Id No :											E	Duration 100 min. Date/Time				
1. Write a C++ pro- given below: s1: start s2: Input an i s3: Compute T $T = \frac{1}{\sqrt{1} + \sqrt{2}}$ s4: Output T s5: End Write down the out	ntege defin $\frac{n}{+\sqrt{3}}$	er n ed by	r: $+\sqrt{n}$													
2. In geometry, a golden rectangle is a rectangle whose side lengths are in the golden ratio: $\frac{a+b}{a} = \frac{a}{b} = \varphi$ (b) Consider any golden rectangle. Write a C++ program to perform the followings: • Read the value of a • Calculate the value of b (from b = a / φ) • Output the area of the golden rectangle																
where φ is a constanumber.	a		b	ne gold	en											
(a) Determine the r 3. Write a C++ prog integers M and N fr	gram to	o input	two	analy	tically.											

integers M and N from keyboard and output <u>sum of the positive</u> <u>even numbers</u> between M and N.