King Saud University
College of Science
Department of Mathematics

Course Title:	Mathematical logic
Course Code:	132 Math
Course Instructor:	Reem Almahmud
Exam:	1st Quiz
Semester:	1st term 1444/1445
Date:	27-09-2023
Duration:	30 Minutes
Marks:	10

Privileges: Calculator is not Permitted

Student Name:	
Student ID:	
Section No:	
Serial No:	

Instructions:

- Cell Phones should be switched off or on silent mode during the exam.
- Write your answers directly on the question sheet.
- There are 2 questions in 3 pages.

Official Use Only		
Question	**Students Marks**	**Question Marks**
1		3
2		7
Total		10

Q1: Proof that the sum of two odd integers is even (use direct proof).

Q2: If n is integer and $3n + 2$ is even, then n is even. (Use two different methods)