

Bilkent University

Math 101-Section 13

Fall 2023

Name-Surname:

Student ID:

Department:

QUIZ 2

- 1) The graph of the equation $x^2 - xy + y^2 = 9$ is an ellipse. Find the lines tangent to this curve at the two points where it intersects the x -axis. Show that these lines are parallel.

Explain your solutions in detail.