İzmir University of Economics, Department of Mathematics

Матн 205	Analytic Geometry	Quiz 3	18.11.2003
Name	Student No.		

YOU must write GOOD Mathematics, clearly explaining each step of your proof. Otherwise, your objection may not be accepted.

Find the center, foci, vertices, asymptotes and radius, as appropriate, of the conic section and then sketch it.

1. $4x^2 + y^2 - 8x + 4y + 4 = 0.$

2. $x^2 - y^2 + 4x - 6y - 6 = 0.$