
MATH 205	ANALYTIC GEOMETRY	Quiz 4	01.11.2004
Name		Student No.	Sign

You will not get any points if your answer is wrong, that is no points to your explanations if your answer is wrong. And of course no points to a correct answer if your explanation or proof is not correct or clear.

YOU must write GOOD Mathematics

1. Use focus-directrix formula to find and then sketch the conic whose eccentricity is $e = 1/2$, and one of directrix is $y = 4$, and its associated focus is $(1, 1)$.

2. Find foci, eccentricity, directrices and asymptotes of the conic $x^2 - 4y^2 - 2x + 16y - 14 = 0$.