Math 203: HW 5

Due on Wednesday, June 12

Summer '13

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Problem 1

Consider the implicit function

$$y^4 x - 4y^2 x = -3$$

Show that the point $(1, 1)$ is indeed on the graph and give the equation of the tangent line (if one exists).

Problem 2

Consider the implicit function

$$y^4 - 4y^2 = x^4 - 9x^2$$

Show that the point $(-3, 2)$ is indeed on the graph and give the equation of the tangent line.