MA 227	
§10.4-1	1.1

Quiz #2

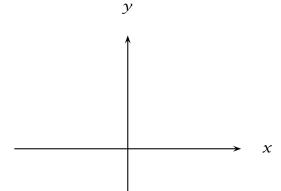
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Name:	
	21 June 1999

1. For each of the following equations, determine if there is a closely matching graph on the next page. If there is, report its Letter. If there is not, write NO MATCH. (6 points)

2. Find the tangential and normal components of the acceleration vector for a particle in 3-space whose location vector at time t is given by $\mathbf{r}(t) = \langle \cos t, \sin t, t \rangle$. Explain what you answers mean. (7 points)

3. On the given set of axes, sketch the level curves for the function f(x, y) = xy that correspond the *z*-levels of -2, -1, 0, 1, and 2. Based on the level curves, describe the shape of the graph of the surface in 3-space in a few words. (7 points)



Surfaces for Quiz 2

