Name:

J#:

Date: **2017 June 08**

Exercise Type:

Quiz

Standard: This student is able to...	Mark:
C01: SurfaceEQ. Identify and sketch surfaces in three-dimensional Euclidean space.	
2/4 ⋆ reattempt due on:	

Consider the quadric surface $z = y^2 - x^2$.

First sketch six traces for the surface given by $x = -2, x = 0, x = 2$ and $y = -2, y = 0, y = 2$ in two dimensions.

Then use those traces to draw a rough three-dimensional sketch of the surface. (This quadric surface is called a hyperbolic paraboloid.)

Name:	Exercise Type:
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Standard: This student is able to...	Mark:
C02: VectFunc. Model curves in Euclidean space with vector functions.	
2/4 $\star$ reattempt due on:	

Give a vector function modeling the line passing through $\langle 1, 2, 3 \rangle$ and parallel to the line with vector function $\mathbf{r}(t) = \langle 3 - t, 5 + 2t, 4t \rangle$.