Please PRINT your name	
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No calculators, cell phones, computers, notes, etc.

Circle your answer. Make your work correct, complete and coherent.

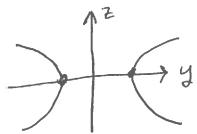
The quiz is worth 5 points. The solutions will be posted on my website later today.

Quiz 8, Monday, October 5, 2020

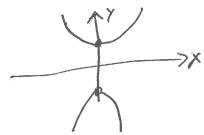
Describe, graph, and name the graph of $y^2 - x^2 - z^2 = 1$ in 3-space.

Fall 2019 Exem 2 Problem 3 Math 241

Describe, graph, name $y^2 - x^2 - z^2 = 1$ in 3 - space when x = 0, the graph of $y^2 - z^2 = 1$ is a hyperbola



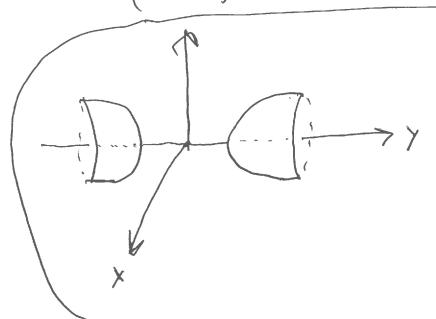
when Z=0, the graph of y²-x²=1 is a hyper bolg



There is no graph when -1< y<1 when y=1 or +1, the graph is a point

when y <-1 or \$ < y is constant the graph is the circle

(constant)2-1= x2-22



Hyperboloid of 2 Sheets.

Praw the hyperbola

Y²-2²=1 in the Y2
Plane. Now rotate

the picture about the y-axis