

Please PRINT your name _____

No calculators, cell phones, computers, notes, etc.

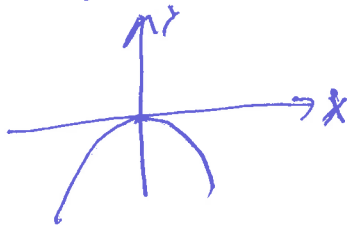
Circle your answer. Make your work correct, complete and coherent.

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

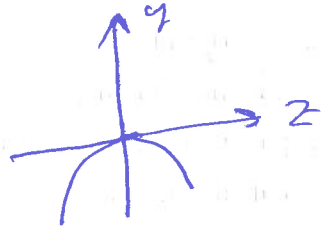
Quiz 6, September 18, 2019
17 23

Name, draw, and describe the the set of points in three space which satisfy $y = -(x^2 + z^2)$.

When $z=0$, the graph is a parabola $y = -x^2$



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When y is positive there is no graph

When y is zero the graph is the origin

When y is a negative constant the graph is a circle

So the graph is a paraboloid in the octants where y is negative.

