King Fahd University of Petroleum and Minerals
Department of Mathematical Sciences
Math 201, Section: 8 (062)
Quiz 2(a)

Time: 15 Minutes **Marks: _____/9**

Name: _____

ID #: _____ Serial #: _____

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1. Use traces to sketch the graph of $z^2 - x^2 - y^2 = 81$. Identify this surface.

2. Describe and sketch curve of intersection between paraboloids $z = x^2 + y^2$ and $z = 4 - x^2 - y^2$.

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Quiz 2(b)

Time: 15 Minutes **Marks: _____/9**

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1. Identify the surfaces and make a rough sketch.

   (a) $z = (x+2)^2 + (y-5)^2 - 3$.

   (b) $x^2 - y^2 + z^2 - 4x - 2y - 2z + 4 = 0$.