Math 201 Fall 2014, Term 141

Quiz 3 Section 14 Version A Student ID: 201051040

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Instructions: Show Your Work!

- 1. (3 pts) Find the equation for the plane through the points (1, 1, -1), (2, 0, 2), and (0, -2, 1).
- 2. (4 pts) Sketch the surface

$$z^2 - x^2 - y^2 = 1.$$

3. (3 pts)

$$\lim_{(x,y)\to(0,0)} \frac{2x}{x^2 + x + y^2}.$$