**Fake Quiz 1 Calculus 3 11/28/2011**

Each problem is worth 0 points. In the event of an actual quiz, you would have received warning.

1. Consider the paraboloid $z = x^2 + y^2$, with upward orientation, and let $S$ be the portion below $z = 16$. Describe the boundary, parametrize it, and explain which way it should be orientated.

2. Consider the sphere with radius 3 centered at the origin, with outward orientation, and let $S$ be the portion where $y \geq 0$. Describe the boundary, parameterize it, and explain which way it should be oriented.