

Quiz 2

MAC 2313-03

Spring 2010

Full Name: _____

Score: _____

Show all of your work for full credit.

1. Sketch the following surface:

$$9x^2 - y^2 + z^2 = 0$$

2. Find the equation of the plane through the point $(-2, 8, 10)$ and perpendicular to the line $x = 1 + t$, $y = 2t$, $z = 4 - 3t$