Math 397 Spring 2016 Section 4 Quiz 7

Name____

Show all work. Incomplete answers may receive little or no credit.

Sketch the following surfaces in \mathbb{R}^3 . Be sure to label your axes. What is the name of each surface?

1.
$$x = y^2 + 2$$

2.
$$z = x^2 + \frac{y^2}{4} + 3$$

3.
$$\frac{-x^2}{4} + \frac{y^2}{9} + \frac{z^2}{1} = 1$$