

Math230 quiz No. 3 , Sep. 22, Name: \_\_\_\_\_, Student ID: \_\_\_\_\_

**Announcement:** Midterm I: Thursday, Oct.05, 2006, 6:30-7:45PM 102 Forum.

(1) (2 points) Describe and sketch the surface:

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

(2) (3 points) Change from rectangular to spherical coordinates.

$$(-1, 1, \sqrt{6})$$