

Math230 quiz No. 2 , Sep. 15, Name: \_\_\_\_\_, Student ID: \_\_\_\_\_

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

(1) (2 points) Find the volume of the parallelepiped determined by the vectors  $\vec{a}$ ,  $\vec{b}$ , and  $\vec{c}$ :

$$\vec{a} = \langle 6, 3, -1 \rangle, \quad \vec{b} = \langle 0, 1, 2 \rangle, \quad \vec{c} = \langle 4, -2, 5 \rangle$$

(2) (2 points) Find a vector equation and parametric equations for the line through the origin and parallel to the line  $x = 2t, y = 1 - t, z = 4 + 3t$ .

(3) (1 point) Any suggestions or comments on the course?