

Date due: October 24, 2005. There will be a quiz on this day.

I did not teach almost all of the material in Section 3.5 last week, and so I am not asking for Sec. 3.5 question 9 to be handed in on 10/17/05. Hand in all the other starred questions from Assignment 5 on 10/17/05.

Section 3.5 7*, 15, 17

Section 4.1 2, 4, 10

V. Let G be the group of *all* isometries of a regular tetrahedron:

Show that $G \cong S_4$. (Hence G is isomorphic also to the group of rotations of the cube.)

Section 4.2 2*, 7*, 8*, 9*, 14