Homework #2. Due, class time 2/3

1. A parallelepiped (a six-sided shape with three pairs of parallel, parallelogram faces) has edges given by the three vectors **a**=(2,3,4), **b**=(1,2,3) and **c**=(4,2,1). What is the volume of the parallelepided?

2. Consider two vectors **a**=(2,3,5), **b**=(3,2,3).
a) What is the cosine of the angle between them?
b) What is the angle between the plane defined by these two vectors, and the x_1 axis?

3. Marion and Thornton, question 1-29.

4. Marion and Thornton, question 1-38