Homework 1
due Thurs., Jan. 29

(1) prove that a norm on a vector space $V$ satisfies

$$||u|| - ||v|| \leq ||u - v||$$

for all $u, v \in V$.

(2) #5 p. 33
(3) #6 and #7 p. 33
(4) #12 and #13 p. 34
(5) #15 p. 34
(6) #17 p. 34