

Math 423

Homework 4

Due Wednesday, 2/14/07

Curtis Section 10 #2,4,9

Additional problem:

Let V_1 and V_2 be linear manifolds in \mathbf{R}^n . Prove that if $V_1 \cap V_2 \neq \emptyset$, then $V_1 \cap V_2$ is a linear manifold.