**Geophysics 150:  Home set due Nov. 8, 2000**

2a.  Refer to problem 1:  Find unit vectors for horse, mule, and wagon forward in the wagon and the horse coordinate systems.

b.  The unit vectors are  **H**, **M**, and  **W.**  Find the unit vector dot products

**H•M**

**H•W**

**M•W**

in both coordinate systems.

c.  Find  **H•H** in both coordinate systems.