

HW2: Due February 4.

Problem 1. Open up the PPT presentations of January 28. You will have to prove all the relations/examples flagged as “HOMEWORK” (on slides 4, 14, 25). Where applicable, state all the properties P1 through P4 (see lecture of January 26) that you had to use in order to prove the identities flagged by the keyword “HOMEWORK”.

Problem 2. Do Problem 9.2.2 and 9.2.4 out of Haug’s textbook.

Problem 3. (do if you can, extra credit). Prove that inner product multiplication is distributive with respect to the addition of two geometric vectors.