

**CHEM 5.12** Prof. B. Imperiali PROBLEM SET #5 (contd) - Due in Friday April 4th at 4 pm 4. (10 points) Show the reagents that would be needed to carry out the following transformations. 1. B2 H6 (BH3) Anti-Harkoonik 2000 2. H2 02/N20H \* OH 2 points Markovnikov adas esch. 1. HC1/H+ (If 2 sheps on point for ezch shep CI 1. Os04 .OH .OH 2. H2 D2 1. O3 2. -S (dimethyl sulfide 1. HBr peroxide R-0-0-R Br Suggested problems: 7.45, 8.18, 8.37, 8.50, 8.51, 8.64, 8.68 OR I B2H6 2. H2 02 3. HBr (SN2 SZ product From \*