

Answers to Problem 59, Chemistry 301X -2006

(a) HBr

(b) 1. TsCl 2.  $(CH_3)_3CO^-$  3. HBr

(c) 1. Li (or Mg) + product from (a) or (b) 2.  $H_2O$

(d) 1. NaH 2.  $CH_3I$