## Methods for Making Alcohols Used in ChemCoach *Synthesis*Reactions from Carey Chapters 4 – 6

H, C=C, 
$$R$$
 50% H<sub>2</sub>SO<sub>4</sub>/H<sub>2</sub>O  $R$  H OH  $R$  OH adds to *more* highly substituted carbon

H, C=C, 
$$R$$
 1. B<sub>2</sub>H<sub>6</sub>  $R$  HO H H-C-C-R OH adds to *less* highly substituted carbon

$$X_2$$
,  $X_2$ ,  $X_2$   $X_3$   $X_4$   $X_4$   $X_5$   $X_5$   $X_4$   $X_5$   $X_$