Marks • Devise a synthesis of 2-phenyl-2-propanol, starting from propene and bromobenzene. 6 Note that your synthetic route will require more than one step from each starting material. Show clearly the reagents you would use and draw constitutional formulas for all intermediate compounds. Br dilute H<sub>2</sub>SO<sub>4</sub> Mg / dry ether MgBr QН  $Cr_2O_7^{2-}/H^+$ (i) (ii)  $H^+ / H_2O$ (used in the step opposite) OH