Problems - June 24, 2008

1) Please provide a mechanism for the following reactions.

2) Please provide a mechanism for the following transformation.

$$R^1$$
 Ph
 $E = \frac{LDA (0.3 \text{ equiv})}{\text{ether}}$
 R^1
 H
 $E = \frac{R^2}{H}$
 $E = \frac{R^2}{H}$