CHM 201 ACID/BASE PRACTICE

The following are **Bronsted-Lowry** acid/base reactions. Identify the acid, the base and draw the conjugate acid and conjugate base.

d) NaNH₂ + H₂O
$$\longrightarrow$$

e)
$$CH_3NH_2 + HCOH$$

The following are **Lewis** acid/base reactions. Give the product (complex) of the following reactions and identify the acid and the base:

a)
$$NH_3 + BF_3$$

d)
$$HOC(CH_3)_3 + AlCl_3$$

ARROW FORMALISM

Draw arrows to show the electron flow:

a)
$$H = B = H$$
 $H = B = H$
 $H = H$

Draw the products of the following reactions using the arrows as indications of electron flow: