## Polarity Homework

For each of the following compounds, draw the Lewis structure, determine the bond angles, find the molecular shape, and determine the overall polarity of the molecule. (Honors only: Indicate the hybridization of the central atom).

1) $\mathrm{NO}_{2}^{-1}$
2) $\mathrm{BF}_{3}$
3) $\quad \mathrm{F}_{2} \mathrm{CO}$
4) $\quad \mathrm{PF}_{3}$
5) $\mathrm{PH}_{4}^{+1}$
