**HomeWork 20**

**Due Friday 2 December**

**Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_/6**

**1) Use the simple octet rule to predict the bonding and lone pairs for the molecules**

 **below: (3 pts) If present, indicate formal charges on any relevant atomic sites.**

 **SiO2 PCl3 NO2-**





 **.. ..**

**:O=Si=O:**

**2) Predict the most likely Lewis structure for the molecules below where the octet**

**rule can be broken to minimize formal charge. Include all lone pairs and if present, formal charges.**

 **SO32-  AsF5 POCl3 (P in the middle**

**With O and Cl attached to P only)**





