## Quiz 11.1 - Molecular Geometries

Problem 1 (3 points)

Give the molecular geometry for the following compounds:

Tetrahedral (109.5°)

• 
$$XeF_4$$
 $F - Xe^2 - F$ 

Square planar (90°, 180°)

•  $PCl_5$ 

•  $Ce^2 - P - Ce^2$ 

trigonal bipyramidal (90°, 120°, 180°)

•  $O_3$ 

•  $O - O = O$ 

bent (<120°)

Problem 2 (2 points)

Predict the bond angles for each of the compounds above

Les above