Capilano College **Inorganic Nomenclature** **Dr. Tony Cusanelli**
Chemistry 110 **(Quiz Answers)**

Give the *IUPAC* name for each of the following:

$Mn(ClO_3)_2$	manganese (II) chlorate	ClF_3	chlorine trifluoride
$Mn(CO_3)_2$	manganese (IV) carbonate	XeF_4	xenon tetrafluoride
PCl_3	phosphorus trichloride	FeI_3	iron (III) iodide
$H_2CO_3(aq)$	carbonic acid	$Fe(ClO_4)_2$	iron (II) perchlorate
V_2O_5	vanadium (V) oxide	Ag_3PO_4	silver phosphate
$Ba(IO_2)_2$	barium iodite	Ca_3P_2	calcium phosphide
$Al_2(SO_3)_3$	aluminum sulfite	$HI(aq)$	hydroiodic acid
$Na_2SO_4 \cdot 4H_2O$	sodium sulfate tetrahydrate	$CuSO_4$	copper (II) sulfate
$PbCl_4$	lead (IV) chloride	$Cd(C_2H_3O_2)_2$	cadmium acetate
$CuMnO_4$	copper (I) permanganate	N_2O_4	dinitrogen tetroxide

Give the chemical formula for each of the following:

selenium dioxide	SeO_2	sulfur trioxide	SO_3
lead (IV) sulfate	$Pb(SO_4)_2$	aluminum hydroxide	$Al(OH)_3$
lead (II) sulfite	$PbSO_3$	titanium (IV) oxide	TiO_2
potassium sulfide	K_2S	scandium (II) phosphate	$Sc_3(PO_4)_2$
chlorous acid	$HClO_2(aq)$	boron trifluoride	BF_3
cobalt (II) nitride	Co_3N_2	carbon monoxide	CO
bromine triiodide	BrI_3	vanadium (II) iodate	$V(IO_3)_2$
cesium hypobromite	$CsBrO$	silicon tetrachloride	$SiCl_4$
carbon tetrachloride	CCl_4	hydrocyanic acid	$HCN(aq)$
carbon disulfide	CS_2	manganese (IV) chlorite	$Mn(ClO_2)_4$
aluminum phosphate	$AlPO_4$	bromine trifluoride	BrF_3