Instructions: Use the equations to answer the following questions.

- 1) $H_2O_2 + CIO_2 \rightarrow CIO_2^{-1} + O_2$
 - a) Write BOTH half reactions.

b) Balance the redox reaction in acidic conditions.

c) Balance the redox reaction in basic conditions.

- 2) Pb(OH) $_4^{-2}$ + ClO $^{-1}$ \rightarrow PbO $_2$ + Cl $^{-1}$ a) Write the BOTH half reactions.

b) Balance the redox reaction in acidic conditions.

c) Balance the redox reaction in basic conditions.