

Revised August 2010

HONORS WORKSHEET 13c: ANSWERS

1. First order with respect to $[\text{IO}_3^-]$ and second order with respect to $[\text{H}^+]$.
2. The procedure can take many formats and detail will vary, but important criteria are;
Varying the concentration of only ONE species at a time.
Comparison of time taken and converting that to a rate.
Determining order based on change in rate.
Repeating the procedure this time changing the other reactant and keeping the original one constant.