

### **CHEM 1032 – Week 15 Questions**

1. If I plot  $\ln(k)$  vs  $1/T$  and get a slope of  $-7012\text{ K}$ , what is the value of  $E_a$  (kJ/mol) ?
2. What is the order of  $\text{H}_2$ ?
3. Looking at our mechanism, what is the reaction intermediate?
4. What is the rate law for the rate determining step?