**Mini-quiz #25 Chemistry 1114 section 2 (Fong) 5 Nov 2014 4 pts A**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**A gas at fixed volume is initially at 300 K. It is heated to 900 K where it attains a pressure of 12 atm. What was the initial pressure, P1 ?**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_P1 (atm)**

**A gas at fixed pressure changes volume from 50 L to 25 L. The initial temperature was 227 oC**

**Given that T(K) =273 + T(oC), what is the final temperature in K ?**

**\_\_\_\_\_\_\_\_\_T2(K)**

**Mini-quiz #25 Chemistry 1114 section 2 (Fong) 5 Nov 2014 4 pts B**

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**A gas at fixed pressure changes volume from 10 L to 20 L. The initial temperature was 227 oC**

**Given that T(K) =273 + T(oC), what is the final temperature in K ?**

**\_\_\_\_\_\_\_\_\_T2(K)**

**A gas at fixed volume is initially at 200 K. It is heated to 600 K where it attains a pressure of 6 atm. What was the initial pressure, P1 ?**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_P1 (atm)**