**Dougherty Valley HS AP Chemistry**

**S-30**

**Equilibrium Review**

**Quick Check #1**

**Name: Date: Period: Seat #:**

Check off each item if you can do the question. Write down a question to ask if you cannot do the question.

* **Kc and Kp**

Write the equilibrium expression (Kc) for:

ZnCO3(s) ⮀ Zn2+(aq) + CO32(aq)

 Kc =

Write the equilibrium expression (Kp) for:

2 NO(g) + Br2(g)  2 NOBr(g)

 Kp =

* **Manipulations**

O2(g) ⮀ 2 O(g) Kp = 1.2 x 10-10

What is the Kp for: O(g) ⮀ ½ O2(g)

* **Adding Reactions**

Calculate Kc for the reaction

SnO2(s) + 2 CO(g) ⮀ Sn(s) + 2 CO2(g)

given the following information:

SnO2(s) + 2 H2(g) ⮀ Sn(s) + 2 H2O(g) Kc = 8.12

 H2(g) + CO2(g) ⮀ H2O(g) + CO(g) Kc = 0.771

Scratch Paper/Notes: