Equilibrium homework #2

1. What type of substances are EXCLUDED from equilibrium expressions. Why?
2. Using your correct answer from #1 write the equilibrium expression for the following reactions:
3. PbI2(s) → Pb2+(aq) + 2I-(aq) K= 1.9 x 10-9 (b) H2O(l) → H+(aq) + OH-(aq) K = 1 x 10-14
4. CaO(s) + CO2(g) → CaCO3 (s) K = 1.2 (d) Cl2(g) + 3F2(g) → 2ClF3(g) K= 3.4 x 102
5. Draw an appropriate graph showing 2a-d reaching equilibrium