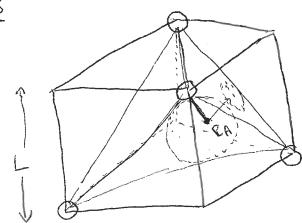
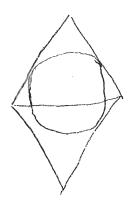
## Problem Set # 1 Solutions 1) 5pts Nations are in contact with CT ions 5pts b) Ledge = 2 (RNat + RCI-)

$$\frac{1}{2}a^{2} = \frac{1}{2}(R_{12}+R_{C1})$$

$$R_{13}+R_{C1} = \frac{1}{2}(\frac{a}{2} + \frac{a}{3})$$





$$\frac{R_{A}+R_{B}}{R_{B}}=\frac{R_{B}}{\frac{L}{R_{B}}}=\frac{R_{B}}{R_{B}}=\frac{R_{B}}{R_{B}}=\frac{R_{B}}{R_{B}}=\frac{R_{B}}{R_{B}}$$

$$\Rightarrow \frac{RA}{RB} = \frac{1}{2}$$