Exercise 1

Prove or disprove: $2SAT \in NL$

Exercise 2

VC - the optimization problem of finding $\frac{|minimum\ vertex\ cover|}{|V|}$

Prove or Disprove:

gap-VC[2/3, $1 - (7/8 + \epsilon)/3$] is NP-hard.

Exercise 3

Show a reduction from st-MINCUT to a CSG problem.

GOOD LUCK