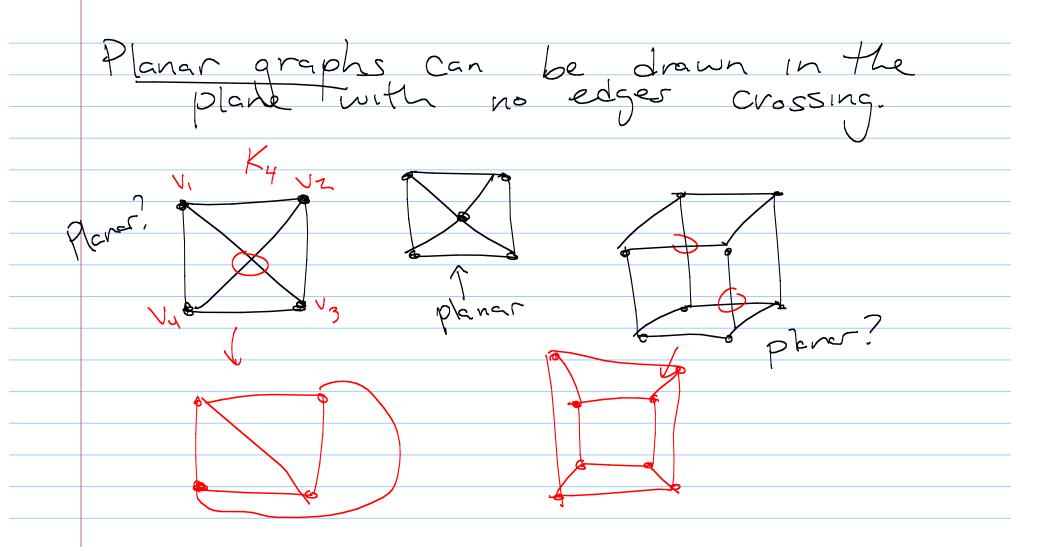
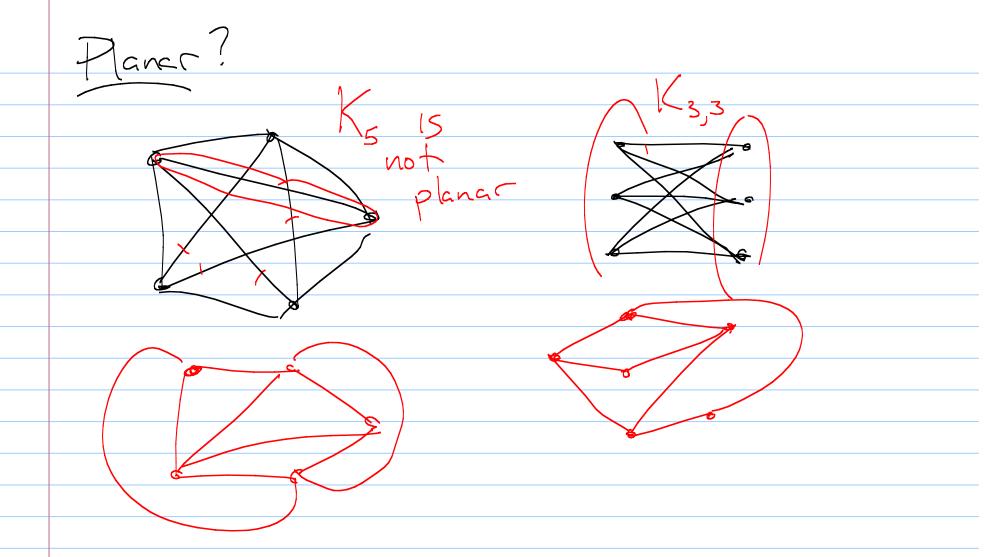
Math 135 - Graphs (part 4)

Announcements 12/6/2010 - Last day! - Tomorrow - review session - 2pm - ItW is due -Final - Wednesday

-Planar graphs -Trees





Planer graphs can be use ful for modeling many things:

-circuit bourds (VLST design)

-road networks
(hearly planer)

Useful facts

Dina planer graph, (n vertices)

LE = 3n - 6

normally | E | = n(n+1) = O(n2)

Divery planer graph is 4-colorable

DM: A tree is a connected graph
with no cycles.

a any 159 edges. not O(n2)