

Mathematics 226H – Geometry I: Euclidean geometry
TRENT UNIVERSITY, Winter 2008

Problem Set #6

Due on Friday, 29 February, 2008.

1. Exercise 2C.3 [5]
2. Exercise 2C.4 [5]

Note: In solving both exercises, you may assume, if you find it useful to do so, that earlier exercises in the text are true.

I think that I shall never see
A space as lovely as the tree.
A tree, where cycles don't occur,
A path-connected graph, for sure.
To single points it may retract—
To *any* of its points, in fact.
Each graph must have a group that's free,
But nothing's simpler than a tree.

By Stephanie Wukovitz; posted to `sci.math` on 1992.04.23.

How computer scientists look at trees:

