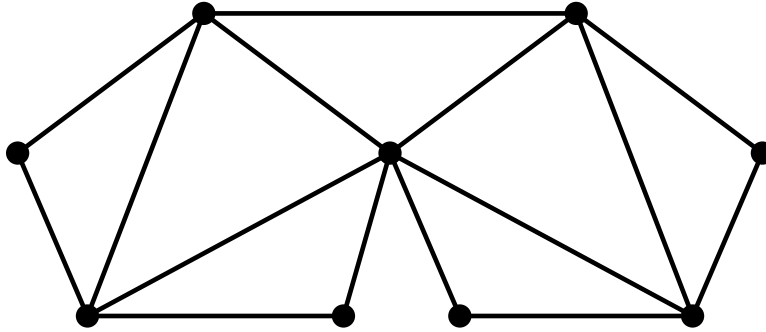


Fall 2015, Math 431: Week 6 Preliminary Problems
Due: Thursday, October 15th, 2015
Trees

Preliminary problems. The problems below should be completed before class on Thursday.



(P1) Find two spanning trees of the graph given above.

(P2) Find two subgraphs with the same number of edges as a spanning tree, but which contain cycles. What do you notice about the number of connected components?