

CSE780 Homework 5
Due Friday, February 18

1. Page 495, 23-1 (b) (old ed.), Page 558, 22-1(b) (2nd ed.), Page 621, 22-1(b) (3rd ed.)
2. An *articulation point* of a connected (undirected) graph G is a vertex whose removal disconnects G . Give an algorithm for reporting all articulation points of a connected graph G in $O(|V| + |E|)$ time. Argue for correctness of your algorithm.

(The grader will only grade a subset of these problems.)