Quick Quiz, CSE101, October 19, 2010

Student Name ___________________________ Student ID ___________________________

1. This tree describes the state of a 3-ary heap. Draw a tree representing the state of the binary heap after one “Deletemin” operation.

Solution:

2. What is the distance from (a) to (e) in each one of these graphs?

Solution: 3, 2, and $-\infty$ (or there exists no shortest path since there exits a negative cycle), resp.