

CSE 6331, Fall, 2012  
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Office : 483 Dreese Lab

CSE6331 Homework 3  
Due Tuesday, Sep. 18

1. Page 293: (12.2-7) (3rd edition), Page 260: 12.2-7 (2nd edition), 250: 13.2-4 (1st edition)
2. Page 294: (12.2-8) (3rd edition), Page 260: 12.2-8 (2nd edition), Page 250: 13.2-5 (1st edition)
3. Suppose that a node  $x$  is inserted into a red-black tree and is immediately deleted. Is the resulting red-black tree the same as the initial red-black tree? Justify your answer. How much time does the deletion take in this case? Give the best possible bound.

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