Midterm rubric

100 total points

Q1: 6 points

* 3 pts for correct answer
* 3 pts for justification

Q2: 6 points

* 3 pts for correct answer
* 3 pts for justification

Q3: 6 points

Q4: 6 points

Q5: 12 points

* 3 pts each for (a), (b), (c), (d)

Q6: 6 points

Q7: 8 points

* Full credit for proofs use the recursively of partitioning the sub lists and note the location of the pivot for distinguishing best case, worst case, and average case runtime.

Q8: 8 points

* Full credit proofs describe the cases for best and worst case due to sub-lists being compared. Average case simply bounded between best and worst.

Q9: 6 points

Q10: 10 points

Q11: 6 points

Q12: 10 points

Q13: 10 points