A2 Post Mortem

Question 1

- This question was generally well done

Question 2

- This question was generally well done
- Some students did not show any work for how they got the resulting array after heapsort

Question 3

- This question was generally well done
- Some students found an upper bound rather than a lower bound
- Some students only gave a specific example and did not explain how to generalize it
- Some students stated that each insertion was $\log(n)$ which is not true rather than $\log(i)$ for the ith element to be inserted

Question 4

- Many students only performed fix-down rather than both fix-up and fix-down
- Many students only gave an Ω-bound rather than a Θ-bound.
- Many students did not argue correctness

Question 5

- This question was generally well done
- Many students made small computation errors in 5.3

Question 6

- This question was generally well done
- Many students wrote that any adjacent swap will decrease the number of inversions by exactly 1, rather than by at most 1 in 6.4.