## Fall 2018 Algorithms and Analysis Tools Exam, Part B

## 2) (5 pts) ALG (Sorting)

Show the state of the array below for each iteration of *selection sort*:

Original	13	27	12	9	88	45	22	31
1 <sup>st</sup> iteration	13	27	12	9	31	45	22	88
2 <sup>nd</sup> iteration								
3 <sup>rd</sup> iteration								
4 <sup>th</sup> iteration								
5 <sup>th</sup> iteration								
6 <sup>th</sup> iteration								
7 <sup>th</sup> iteration	9	12	13	22	27	31	45	88