2.2

a) The grey levels look more continuous when using 256 bins instead of 10 bins. Also, the pixels look more evenly spread out over 256 bins than 10 bins.

b) The histograms are not fully equalized. The histograms for P3 with 10 bins look to be almost equalized but it is not totally equalized while the histograms for P3 with 256 bins looks to have a lot more variations and doesn’t look equalized at all. The similarities between the latter two histograms are that there seems to be a good spread over all the grey levels. The differences between the latter two histograms are that the histogram for P3 with 10 bin seems to be much more equalized than the histogram for P3 with 256 bins.

c) No, the histograms do not become more uniform and changes only slightly. The reason why this is the case is because reapplying the algorithm does not improve the equalization because after the first iteration of the algorithm, the pixels are spread out in a manner such that it becomes harder to reassign pixels belonging to a certain bin to another bin.