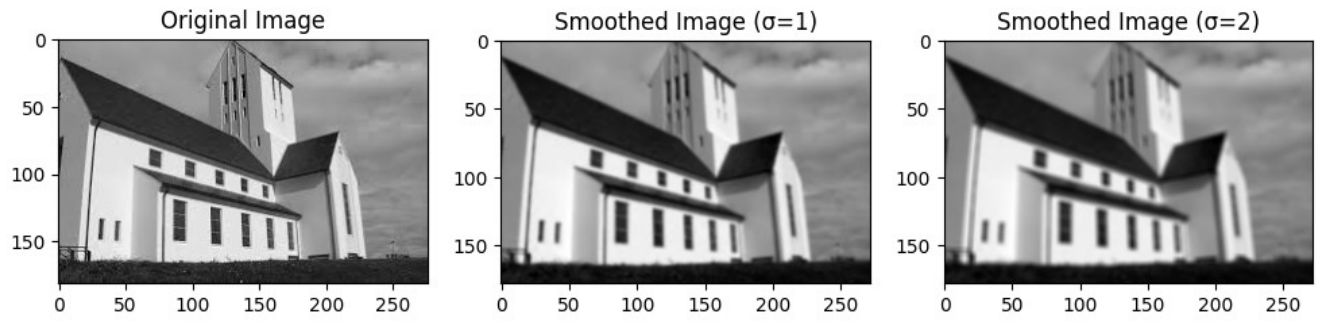
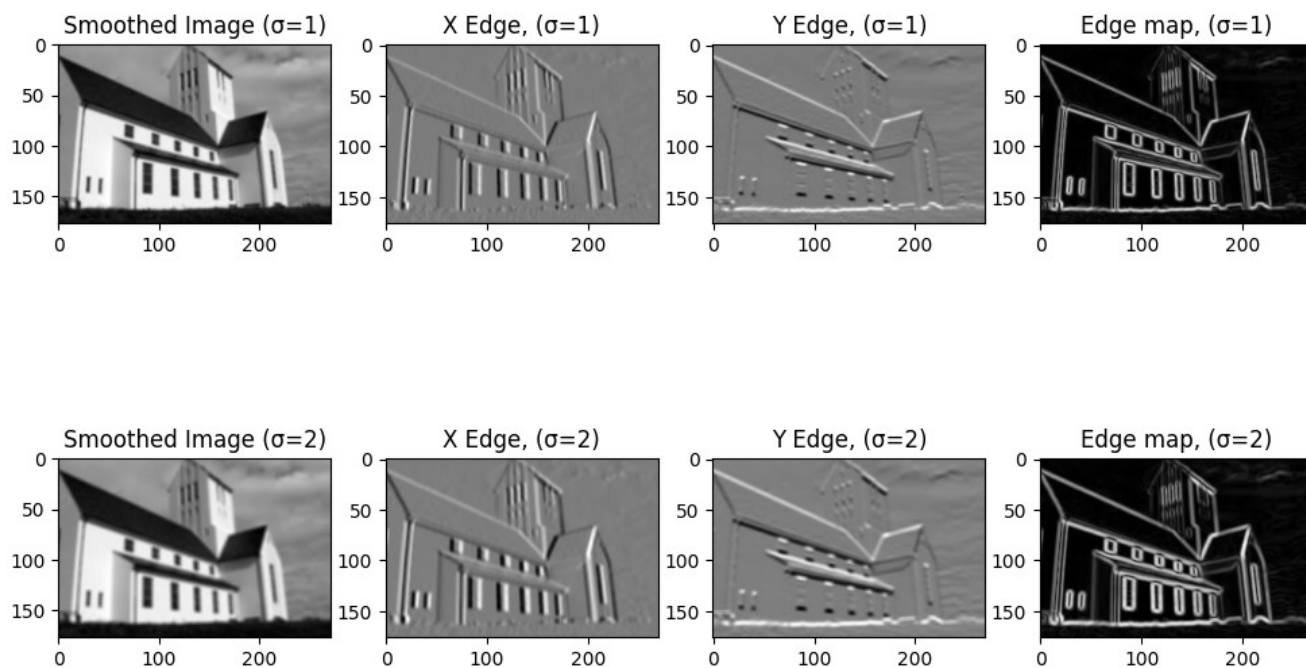


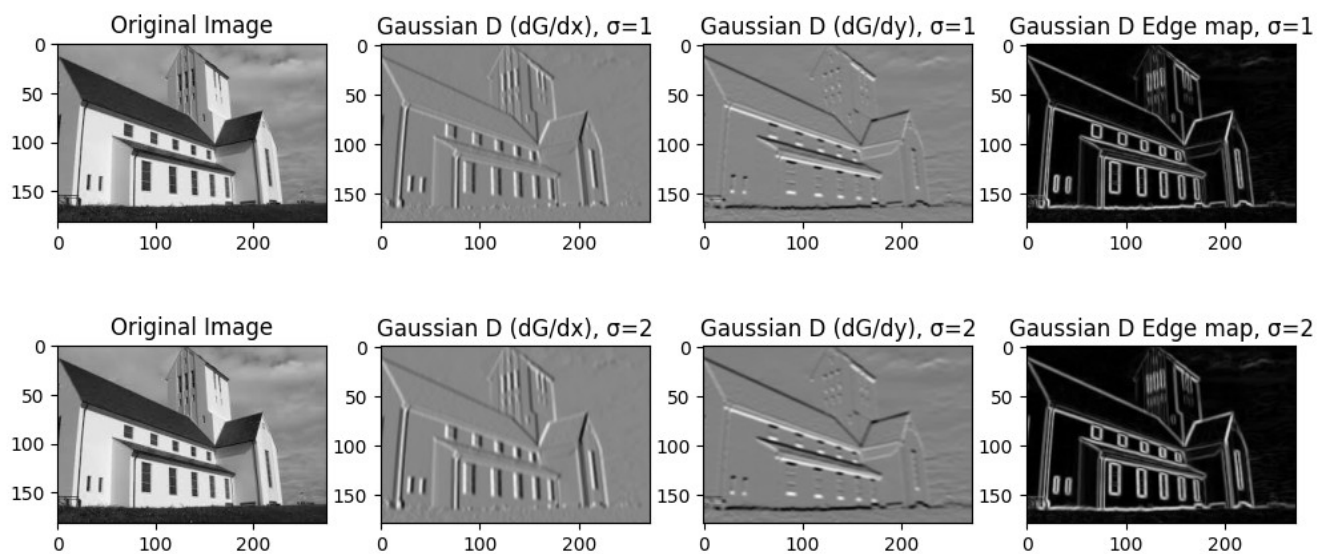
1a



1b



1c



Please explain what do you observe comparing the final output of b and c (10%).

Noise Sensitivity:

the edge map of 'b' is sensitive to the noise in the image

the edge map of 'c' is not very sensitive to the noise like Sobel in the image

Edge Thickness:

the edge map of 'b' has a thicker edge than 'c' because the Gaussian filter on 'b' makes the image on 'b' bluer and the edge of 'b' thicker

the edge map of 'c' produces smoother edges due to prior smoothing

the edge map of 'b' produces more defined edges

gradient of x,y:

the dark, bright colour of a edge is different

bluerness:

b is bluer than c

2

