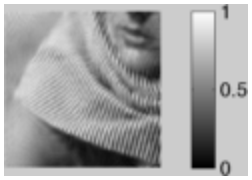
Q1
a)

Original Image	Noisy Image	Denoised image	RMSE
			0.0769
			0.0384

b)

Original Image	Noisy Image	Denoised Image	RMSE
			0.0618
			0.0304

c) In this PCA based approach, we know the information regarding noise (Gaussian, mean, variance), which is used during the update of the eigencoefficients. Recovery depends on how good the estimate of noise is, which in our case is apt.

In the Bilateral Filter based approach, we use no information regarding the noise, and do the general intensity and spatial based filtering.