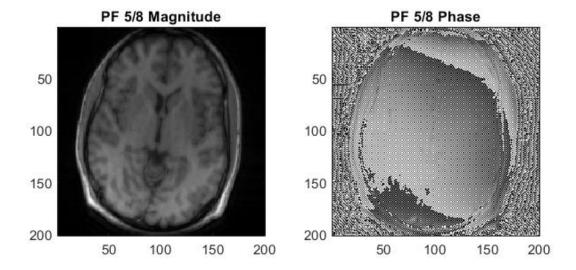
## Homework 3

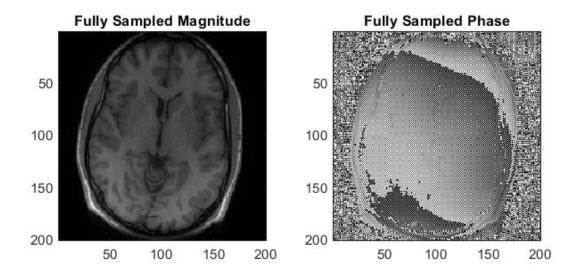
**Question 1** 

Question 1a

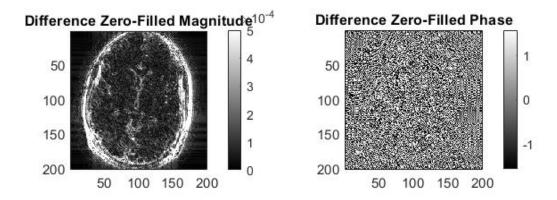
See attached code for details (section Question 1). Resultant zero-filled reconstruction on PF 5/8 data:



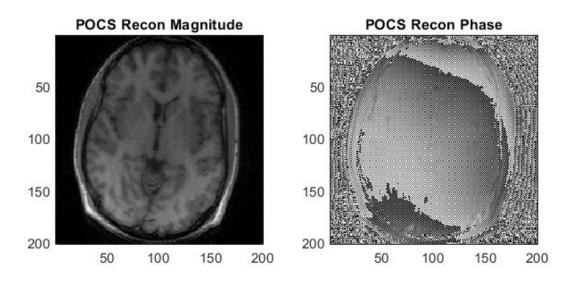
The fully sampled image:



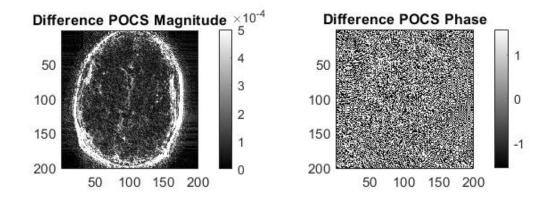
The difference between the fully sampled and zero-filled recon:



Question 1b See attached code for details (section Question 1). Resultant POCS reconstruction on PF 5/8 data:



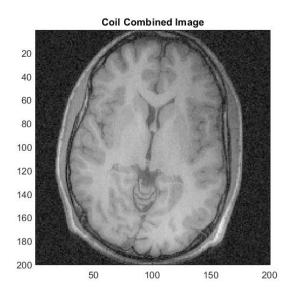
The difference between the fully sampled and POCS recon:



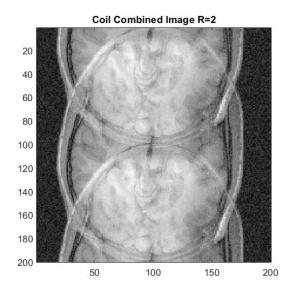
## **Question 2**

Question 2a

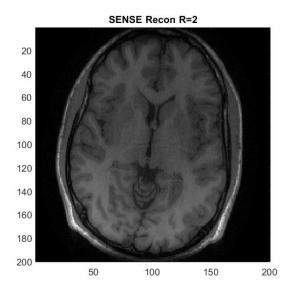
See attached code for details (section Question 2). The fully sampled coil-combined image:



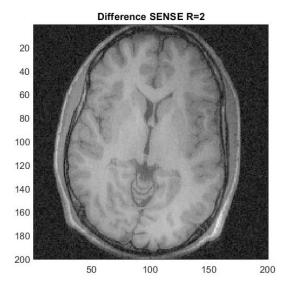
Question 2b See attached code for details (section Question 2). The under sampled, R=2, coil-combined image:



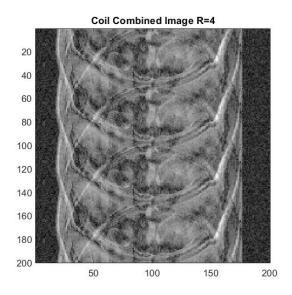
Question 2c See attached code for details (section Question 2). The under sampled, R=2, SENSE reconstructed image:



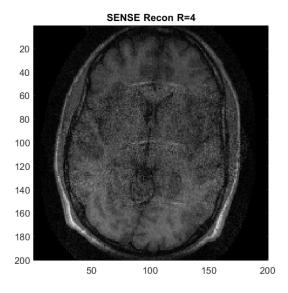
The difference between the fully sampled and SENSE reconstructed image:



Question 2d See attached code for details (section Question 2). The under sampled, R=4, coil-combined image:



The under sampled, R=4, SENSE reconstructed image:



The difference between the fully sampled and SENSE reconstructed image:

