1. **Image Mosaics** (10). This exercise leads you through the steps of creating image mosaics. Upload all the code in the directory at cs.gmu.edu/~kosecka/cs682/hw5/. The function mosaicTest.m contains the script for stitching two images related by rotation. You will have to fill in the missing portion of the code. In this example you only need to stitch two views. Hand in the final stitched image and the code you wrote to generate it.

2. **Stereo** (10) Given the stereo pair of two (scan-line aligned images), compute the disparity map of the stereo pair. Use SSD as a patch similarity measure with a fixed window of your choice. Post the code and resulting color coded disparity map and comment on the quality of your results. In case you decide to do this in Matlab you can reduce the resolution of the image by factor of 2 to speed things up. The image pair tsukuba_l.png and tsukuba_r.png can be found at cs.gmu.edu/~kosecka/cs682/hw5/.

   Bonus: Try to improve the base line method, by adaptive choice of the window, dynamic programming, different similarity measure, region based matching or other idea of your choice.