Tyler Quackenbush
Stereo Calibration

Task 1 – Camera Calibration

<u>Left</u>
Camera Matrix: [[1735.3434   0.   336.1173]
                         [0.   1738.5981   229.555]
                         [0.   0.   1.]]

Distortion: [[-0.4032 -2.2138 0.0054 0.0009 66.6621]]

<u>Right</u>
Camera Matrix: [[1749.0277   0.   302.9609]
                         [0.   1754.3172   207.1204]
                         [0.   0.   1.   ]]

Distortion: [[-0.5347 1.2324 0.0041 0.0053 5.916]]

Task 2 – Stereo Calibration

Rotation: [[0.9999 0.0008 0.0162]
               [-0.001   0.9999 0.0134]
               [-0.0161 -0.0134 0.9998]]

Translation: [[-20.3461]
                [-0.0468]
                [2.1293]]

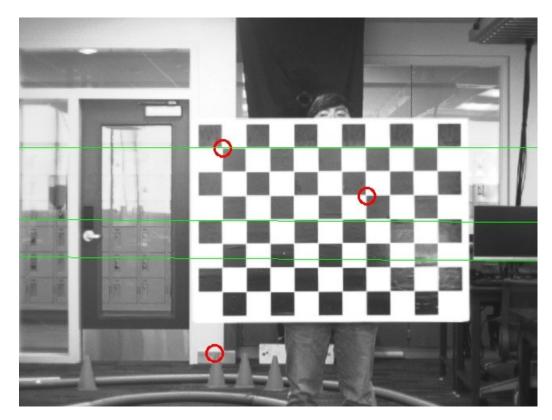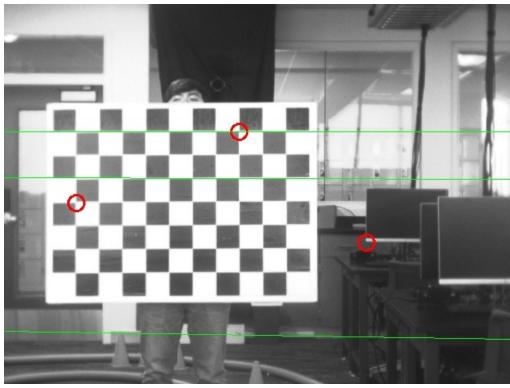Essential: [[0.0028 -2.1285 -0.0754]
              [1.8005 -0.2715 20.376]
             [0.0668 -20.3442 -0.2721]]

Fundamental: [[-0.   0.0002 -0.0375]
                 [-0.0002 0.   -3.6559]
                 [0.027   3.667   1.   ]]

Task 3 – Epipolar lines

Task 4 – Rectification