Name: ———————————————— Roll Number: ————————————————

1. (1 point) What is a Gaussian pyramid?

2. (2 points) What information does SIFT store about each keypoint?

3. (2 points) How does the SIFT descriptor achieve rotation invariance?

4. (2 points) How does the SIFT descriptor achieve scale invariance?

5. (1 point) How can we compute the similarity between two SIFT descriptors.

6. (2 points) Given two images, I_1 and I_2, briefly describe an algorithm for checking the similarity of I_1 and I_2.