HW07: Image representation

Hand in via moodle at: https://moodle.umass.edu/course/view.php?id=33024. Remember that only PDF submissions are accepted. We encourage using IATEX to produce your writeups. See hw00.tex for an example of how to do so. You can make a .pdf out of the .tex by running "pdflatex hw00.tex".

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1.	How does the SIFT descriptor achieve invariance to (a) small deformations, and (b) changes in illumination?
2.	How does one obtain a dictionary in a bag-of-words representation of images?
3.	Give two examples each of categories that can be best described by their shape, and by their texture.