

Assignment 15

MATH2380 – MATHEMATICS FOR THE ENVIRONMENT – SPRING 2013

Due Friday, March 15

Name: _____

1. How many hours can a 100 W bulb be lit with 25 kWh of energy?
2. Several countries have started to phase out incandescent light bulbs. Find an example of a country that has a full ban on incandescent bulbs, having fully replaced them with compact fluorescent (CFL) bulbs. Besides the amount of energy used to light the bulbs, what are the benefits or drawbacks of manufacturing and using CFL bulbs?
3. True or False: If you open your refrigerator, you may cool down your home or apartment. Explain your answer.
4. Describe in some detail what you hope to accomplish with your project.