- 1. (2pts) Copy down the intent of the Facade pattern from the Gang of Four:
- 2. (10pts) Draw a before-and-after class diagram (without details) illustrating how the Facade pattern can be used.

- 3. Read the Applicability and Consequences sections of the Gang of Four's treatment of the Facade pattern. Your answers to the following should be based on that reading.
  - (a) (5pts) What do you think is the main benefit of the Facade pattern from the client's point of view?

(b) (5pts) What do you think is the main benefit of the Facade pattern from the programmer of the subsystem's point of view?

4. (5pts) Which SOLID design principle does the Facade pattern violate most egregiously? Why?