MCS-178 **Java lab grading** Name: ____________________

____ 10 Testing: Choices for what cases to test should be explained and justified; a list of tests is almost useless.

____ 10 Exercise 15.2 (page 598) Modify `ItemList` class to keep a running total. Check the constructor, `totalPrice()`, `add()`, and `delete()`. Added method `Shrink()`.

____ 10 Exercise 15.3 (page 599) Add another subclass of `Item`; change `inputItem()` in `CompuDuds` so that it allows this class as an option.

____ 10 Exercise 15.4 (page 599)

- a Add method to `Item` to discount an item's price
- b Add method to `ItemList` to discount every item's price
- c Add option to `CompuDuds` to allow discounting

____ 10 Exercise 15.8 (page 615)

- a Write `RandomActionListener` class
- b Add a "Randomize" button to the `controlPanel`.

____ 10 Exercise 15.9 (page 616) New puzzle flipping button and 4 adjacent buttons

- a Appropriate changes to methods and their names
- b Unused methods removed

____ 10 Exercise 15.14 (page 637) Explain how the invariant is preserved by each of the three methods `doYear`, `setInitialAmount`, and `setInterestRate`.

____ 10 Exercise 15.15 (page 637) Come up with at least three specific misbehaviors that could result between `doYear` and one of the other methods. These should each cause different symptoms. For each:

- a Explain exactly what order the events would have to occur in
- b Explain, for each scenario, what the user would see

____ 10 Exercise 15.16 (page 637) Make each misbehavior happen. They should probably show or tell where they put the calls to sleep.

____ 10 Exercise 15.17 (page 637) Add `synchronize` keyword to appropriate methods.

_______ **TOTAL**