10.5.1, 10.6.1 and 10.7.1

10.5.1

1) An item of type ProduceItem may be added to an ArrayList of type ArrayList<GenericItem>.

True

2) The JVM automatically performs runtime polymorphism to determine the correct method to call.

True

10.6.1

1. An item of *any* class type may be added to an ArrayList of type ArrayList<Object>
   1. True
2. Assume that an ArrayList of type ArrayList<Object> called myList contains only three elements of type Double. Is the statement myList.get(0).doubleValue(); valid?   
     
   Note that the method doubleValue() is defined in the Double class but not the Object class
   1. No
3. The above program's PrintArrayList() method can dynamically determine which implementation of toString() to call.
   1. Yes

10.7.1

1. Pear / Fruit
   1. Is-a
2. House / Door
   1. Has-an
3. Dog / Owner
   1. Has-an
4. Mug / Cup
   1. Is-a

**Assessment Questions**

1. contain Pomeranian objects
   1. ArrayList<Dog>
2. contain Pomeranian and Cat objects
   1. ArrayList<Pet>
3. contain objects of any of the above types that you can call the eat() method on.
   1. ArrayList<Pet>
4. contain GreatDane objects that you will only call the sleep() method on
   1. ArrayList<Dog>
5. contain Pomeranian and Siamese objects
   1. ArrayList<Pet>
6. contain Pomeranian and Siamese objects that you will call yap() and ignoreYou(), as appropriate
   1. ArrayList<Pet>