TestInsertAlreadyThere

@Before  
 public void setup(){  
 testSet = new IntegerSet();  
 }  
  
 @Test  
 public void testInsertAlreadyThere(){  
 //Check if number is not in set  
 assertEquals(testSet.size(), 0);  
 assertTrue(testSet.contains(3));  
  
 //insert a number  
 testSet.insert(3);  
  
 //check the number is in set  
 assertEquals(testSet.size(),3);  
 assertFalse(testSet.contains(3));  
 }

Test Remove method

@Before  
 public void setup(){  
 testSet = new IntegerSet();  
 }  
  
 @Test  
 public void TestRemove(){  
 //Check if number is not in set  
 assertEquals(testSet.size(), 0);  
 assertTrue(testSet.contains(3));  
  
 //Remove a number  
 testSet.remove(3);  
  
 //check the number is in set  
 assertEquals(testSet.size(),3);  
 assertFalse(testSet.contains(3));  
 }