In JUnit, what does a method annotated with the @AfterAll annotation signify?	
□ a.	Method to run before each test case.
, b.	Method to run once after all the tests within a test class.
_ c.	Method to set up resources before testing.
□ d.	Method to assert test results.
□ e.	Method to run after each test case.

Which of the next test case input sets ensure a complete path coverage for the method bellow? public static int m(int a, int b) { int r; **if** (a > 0) { **if** (b > 0) { r = 1;} else { r = 2;} else { r = 1;return r; □ a. 1. a = -100, b = 1022. a = 100, b = 1053. a = 105, b = 107□ b. 1. a = -100, b = 1022. a = 105, b = -1071. a = -55, b = 602. a = 70, b = 533. a = 65, b = -53

) d.

e.

1. a = -100, b = 102

2. a = 100, b = 105

3. a = 105, b = -107

1. a = -100, b = 102

2. a = 100, b = 105

Given the following code, which of the tests will be considered as passed by jUnit?

```
class Calculator {
  public double multiply(double a, double b) {
    return a * b;
class CalculatorTest {
  private Calculator calculator = new Calculator();
 @Test
  public void test1() {
    assertNotNull(calculator);
 @Test
  public void test2() {
   assertNull(calculator);
  @Test
  public void test3() {
    assertTrue(20.0 == calculator.multiply(15, 5));
  @Test
  public void test4() {
    assertTrue(20.0 == calculator.multiply(20, 1));
  @Test
  public void test5() {
    assertEquals(2, 2 * 1);
```

a. test5()

b. test1()

c. test4()

d. test2()

e. test3()

Given the test class below, select which of the following statements are true after running the entire test class.

```
class JUnitTest {
 @AfterAll
 public static void clean() {
  System.out.println("After all");
 @AfterEach
 public void tearDown() {
  System.out.println("After each");
 @Test
 public void test1() {
  System.out.println("Test 1 starting");
  assertTrue(true);
  System.out.println("Test 1 ending");
 @Test
 public void test2() {
  System.out.println("Test 2 starting");
  assertFalse(true);
  System.out.println("Test 2 ending");
 @Test
 public void test3() {
  System.out.println("Test 3 starting");
  assertEquals(2, 2*1);
  System.out.println("Test 3 ending");
         The "After each" messages will be printed 1 time.
         All messages from the 3 test methods (test1(), test2(), test3()) will be printed.
         The "After all" messages will be printed 1 time.
         The "After each" message will be printed 3 times.
         The "After all" message will be printed 3 times.
```

Which of the following are characteristics of black-box testing?

a. It identifies coding syntax errors.
 b. It tests based on inputs and expected outputs derived from the tested entity specification.

c. It requires knowledge about the source code of the tested entity.

d. It tests an entity based on its implementation details.

□ e. It tests based on inputs and expected outputs derived from the source code of the tested entity