

```

7 | * @author Daniel Chiriboga, DCCO-ESPE, DAMAGE SE
8 | */
9 | public class FormulaTest extends TestCase {
10 |
11 |     public FormulaTest(String testName) {
12 |         super(testName);
13 |     }
14 |
15 |     /**
16 |      * Test of calculateAreaD method, of class Formula.
17 |      */
18 |     public void testCalculateAreaD() {
19 |         System.out.println("calculateAreaD");
20 |         double majorDiagonal = 16.0;
21 |         double miniorDiagonal = 30.0;
22 |         Formula instance = new Formula();
23 |         double expResult = 240.0;
24 |         double result = instance.calculateAreaD(majorDiagonal, miniorDiagonal);
25 |         assertEquals(expResult, result, 0.0);
26 |     }
27 | }

```

Test Results ×

ec.edu.espe.diamond.controller.FormulaTest ×

Tests passed: 100,00 % calculateAreaD

The test passed. (0,686 s)

```

19 |     public void testCalculateAreaD() {
20 |         System.out.println("calculateAreaD");
21 |         double majorDiagonal = 12.0;
22 |         double miniorDiagonal = 5.0;
23 |         Formula instance = new Formula();
24 |         double expResult = 30.0;
25 |         double result = instance.calculateAreaD(majorDiagonal, miniorDiagonal);
26 |         assertEquals(expResult, result, 0.0);
27 |     }

```

Test Results ×

ec.edu.espe.diamond.controller.FormulaTest ×

Tests passed: 100,00 % calculateAreaD

The test passed. (0,422 s)

```

19 |     public void testCalculateAreaD() {
20 |         System.out.println("calculateAreaD");
21 |         double majorDiagonal = 8.5;
22 |         double miniorDiagonal = 3.2;
23 |         Formula instance = new Formula();
24 |         double expResult = 13.6;
25 |         double result = instance.calculateAreaD(majorDiagonal, miniorDiagonal);
26 |         assertEquals(expResult, result, 0.0);
27 |     }

```

Test Results ×

ec.edu.espe.diamond.controller.FormulaTest ×

Tests passed: 0,00 % calculateAreaD

No test passed, 1 test failed. (0,426 s)

ec.edu.espe.diamond.controller.FormulaTest Failed

testCalculateAreaD Failed: expected:<13.6> but was:<13.600000000000001>

expected:<13.6> but was:<13.600000000000001>

```

19     System.out.println("calculateAreaD");
20     double majorDiagonal = 12.6;
21     double miniorDiagonal = 6.2;
22     Formula instance = new Formula();
23     double expResult = 39.06;
24     double result = instance.calculateAreaD(majorDiagonal, miniorDiagonal);
25     assertEquals(expResult, result, 0.0);
26
27 }

```

Test Results ×

ec.edu.espe.diamond.controller.FormulaTest ×

Tests passed: 100,00 % calculateAreaD

The test passed. (0,385 s)

```

19     System.out.println("calculateAreaD");
20     double majorDiagonal = 6.6;
21     double miniorDiagonal = 4.4;
22     Formula instance = new Formula();
23     double expResult = 14.52;
24     double result = instance.calculateAreaD(majorDiagonal, miniorDiagonal);
25     assertEquals(expResult, result, 0.0);
26
27 }

```

Test Results ×

ec.edu.espe.diamond.controller.FormulaTest ×

Tests passed: 100,00 % calculateAreaD

The test passed. (0,398 s)