Checklist “Triangle”

**Positive Tests:**

1. Create triangle with correct sides (“a + b > c”)
2. Verify if a triangle:
   1. with two equals sides is equilateral
   2. with three equals sides is isosceles
   3. with three different sides is “ordinal”
   4. with (a\*a + b\*b == c\*c) || (b\*b + c\*c == a\*a) || (a\*a + c\*c == b\*c) is rectangular
3. Find area for the triangle

**Negative Tests:**

1. Create triangle with:
   1. Incorrect sides (“a + b < c”);
   2. One or more sides is negative;
   3. One or more sides is equal to zero
   4. One or more sides is the max double value