Checklist

1. **Does the message correspond to a real problem:**

* input invalid sides’ values and compare expected message with actual.

**Positive tests:**

1. **Checking sides validity:**

* input positive sides’ values that can or can’t form a triangle.

1. **Detecting triangle type:**

* input positive sides’ values that should form various types of a triangle (and combination of types) and check whether they do form;
* input positive sides’ values that shouldn’t form any type of a triangle and check whether they don’t form.

1. **Square calculation:**

* for positive numbers that form a triangle.

**Negative tests:**

1. **Checking sides validity:**

* input 0 and negative sides’ values.

1. **Detecting triangle type:**

* input 0 and negative sides’ values that can’t be sides of a triangle and check whether they don’t form any type of a triangle.

1. **Square calculation:**

* for 0, negative and positive sides’ values that can’t form a triangle.

\*in each test use integer and decimal numbers.