**ALGORITHM**

1. Display title
2. Display formula
3. Display description for formula
4. Display calculator with two text fields and a result button:
   1. Text field for side a
   2. Text field for side b
5. Once user presses result button, calculate side c using the following formula:
   1. a^2 + b^2 = c^2
6. Display side c on calculator

**HTML ELEMENTS/IDs**

**<form class="calculator" id="inputs">**

**<input type="number" id="sideA" placeholder="Enter Side A" />**

**<button id="result" type="button">Result</button>**

**<p id="solution" class="text"></p>**

**FORMULA**

This formula is used to calculate the length of a hypotenuse, or the side of a right

triangle opposite of the right angle. It states that the sum of the squares of side A and

side B, the sides creating the right angle, are equal to the square of side C, or the

hypotenuse.

**VARIABLES/CONSTANTS**

VariableName (data type)

resultButton(element)

sideA(element)

sideB(element)

sideC(element)

c(float)