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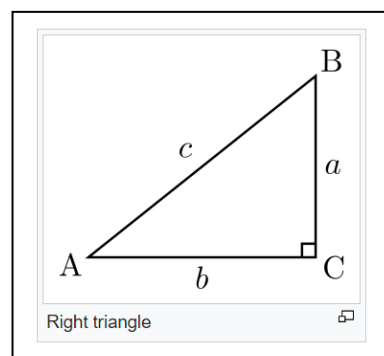
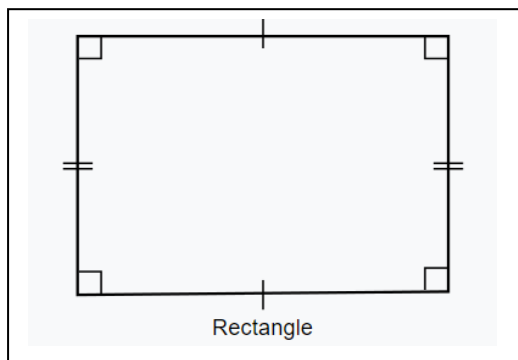
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F# Domain Modeling – Data type declarations

You In this exercise, we are going to represent two geometrical shapes as shown below and do something with it. You are going to represent **rectangles** and **right triangles**. Below are links if you want to refresh your knowledge in geometry.

https://en.wikipedia.org/wiki/Right_triangle

<https://en.wikipedia.org/wiki/Rectangle>



Note that two numbers can characterize these two shapes. Use **float** type.

3.1 – Declare the data type and functions

- Define the data type declaration (**PclShape**) for **Rectangle** and **RightTriangle**
- Create some values to represent both shapes
- Define a function **pclArea : PclShape -> float** that calculates the area of a shape.
- Define a function **pclPerimeter** to calculate the perimeter of a rectangle.
- Redefine the **PclShape** to use records instead of tuples (**PclShapeRecord**).