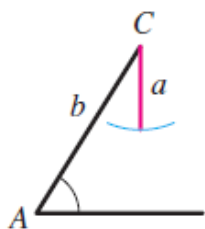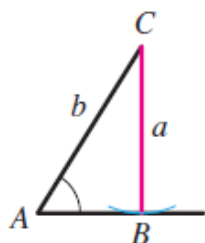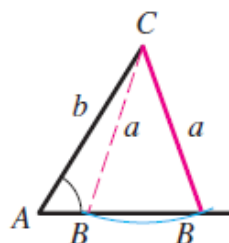**SSA the ambiguous case:**

Here there may be one, two, or no triangle with the properties given. For this reason this case is sometimes called the **ambiguous case**. Figure (a) shows no solution possible since side a is too short to complete the triangle. (b) and (d) show the solution to be a single triangle either a right triangle (b) or a unique triangle (d). Lastly, (c) demonstrates the possibility of two triangles.
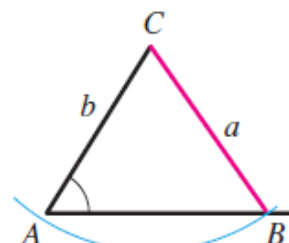

(a)   (b)   (c)   (d)