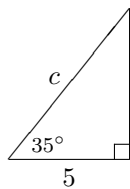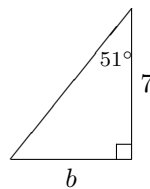# MATH 11022:   Solving Triangles

Example 1: Solve for the variable. Give answer to two decimal places. Note that all figures are not drawn to scale.
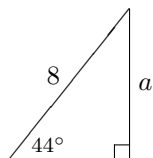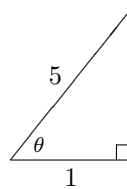
(a)
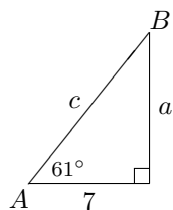
c

35°

5

(c)

51°

7

b

(b)

8

a

44°

(d)

5

θ

1

Definition. To **solve a triangle** means to find the lengths of all of its sides and the measures of all of its angles.

Example 2: Solve the following right triangles. Give answers to two decimal places. Note that all figures are not drawn to scale.

(a)

(b)