

Solving Right Triangles

Name \_\_\_\_\_

HQ# 4

Given the following information in  $\triangle ABC$  with right  $\angle C$ , find each missing angle and side.

Round decimal measurements to 4 significant figures.

1.  $m\angle B = 20.8^\circ$ ,  $c = 346.2$

Find  $m\angle A$  (in decimal form) and measures of sides  $a$ , and  $b$ .

$m\angle A$  \_\_\_\_\_

Side a \_\_\_\_\_

Side b \_\_\_\_\_

2.  $m\angle A = 46^\circ 35'$ ,  $a = 12.42$

Find  $m\angle B$  (in degrees-minutes seconds form, DMS), and measure of sides  $b$ , and  $c$ .

$m\angle B$  \_\_\_\_\_

Side b \_\_\_\_\_

Side c \_\_\_\_\_



