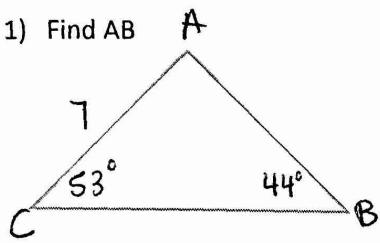


AFM UNIT 3 HW 2 – LOS AND AMBIGUOUS CASE

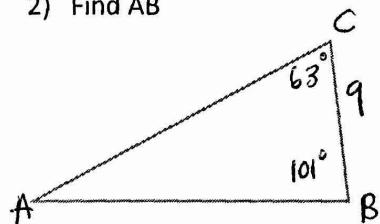
NAME _____

Find each measurement indicated. Round your answers to the nearest tenth. Show all work.

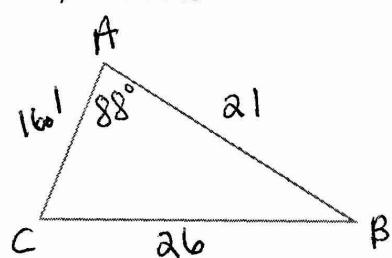
1) Find AB



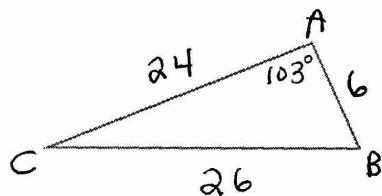
2) Find AB



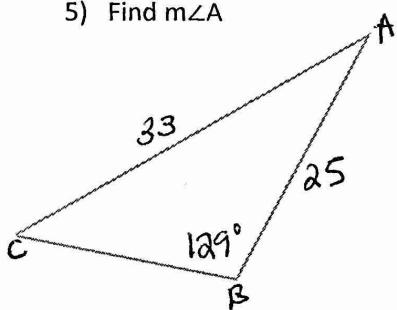
3) Find $m\angle C$



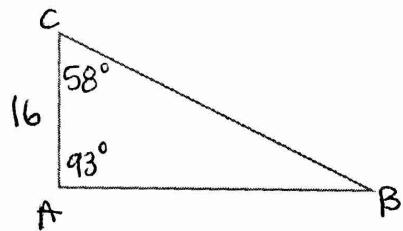
4) Find $m\angle C$



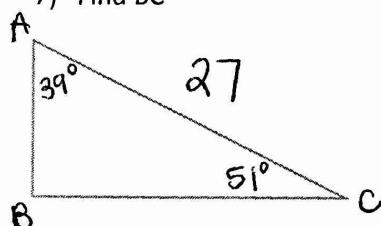
5) Find $m\angle A$



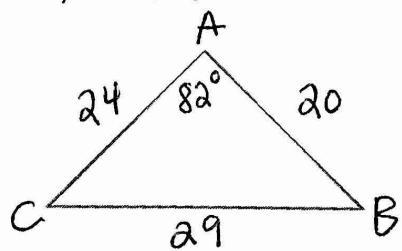
6) Find BC



7) Find BC



8) Find $m\angle C$



State the number of possible triangles that can be formed using the given measurements. Sketch a picture and show your work.

9) $m\angle C = 63$ degrees, $b = 9$, $c = 12$

10) $m\angle B = 33$ degrees, $a = 27$, $b = 22$

11) $m\angle B = 29$ degrees, $a = 14$, $b = 19$

12) $m\angle A = 143$, $a = 12$, $b = 9$

13) $m\angle A = 29$ degrees, $c = 18$, $a = 17$

14) $m\angle B = 35$ degrees, $a = 24$, $b = 6$

15) $m\angle A = 39$ degrees, $a = 6.2$, $b = 7.5$

16) $m\angle C = 49$ degrees, $b = 1.3$, $c = 0.5$

17) $m\angle A = 49$ degrees, $a = 39.4$, $b = 24$

18) $m\angle A = 40$ degrees, $b = 14$, $a = 12$