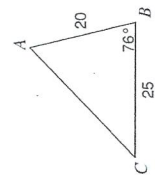
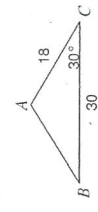
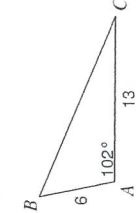
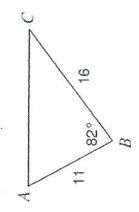
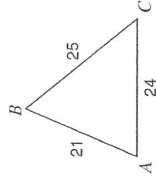
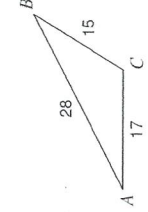
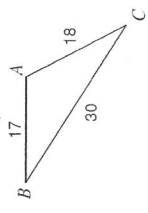
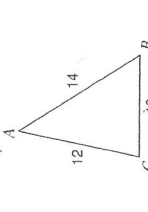
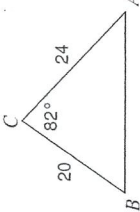
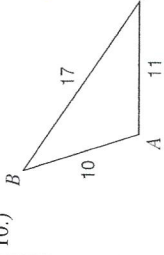
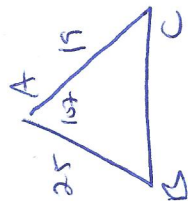
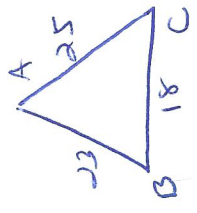


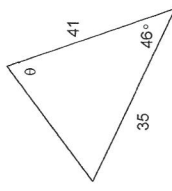
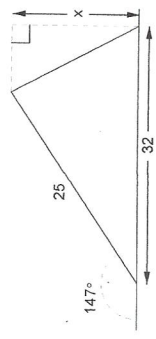
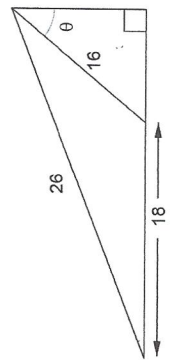
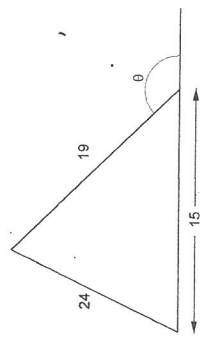
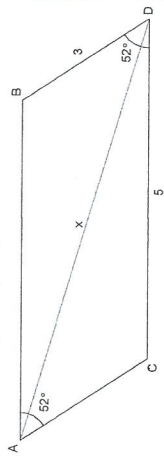
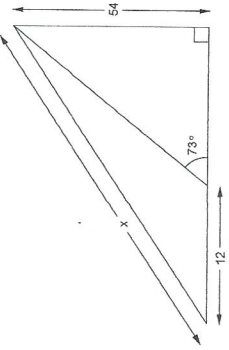
I. Find the indicated side or angle for each given triangle. Round to tenth place. Show work!!!

1.) Find side b. 	2.) Find side c. 	3.) Find side a. 	4.) Find side b. 
$b = 28$	$c = 17$	$a = 15.4$	$b = 18.1$
5.) Find angle A. 	6.) Find angle B. 	7.) Find angle A. 	8.) Find angle C. 
$A = 67.1^\circ$	$B = 31^\circ$	$A = 118^\circ$	$C = 78.5^\circ$

II. Solve each triangle. If no drawn triangle is given, draw one. Round to tenth place. Show work!

9.) 	10.) 
$C = 29$ $A = 43.1^\circ$ $B = 54.9^\circ$	$A = 108^\circ$ $B = 38^\circ$ $C = 34^\circ$
11.) $A = 107^\circ$, $b = 19$, $c = 25$ 	12.) $a = 18$, $b = 25$, $c = 23$ 
$a = 35.5$ $B = 30.8^\circ$ $C = 42.2^\circ$	$B = 74^\circ$ $A = 43.8^\circ$ $C = 62.2^\circ$

III. Critical Thinking Problems – Find the side x or angle θ for each given figure. Round to tenth place. Figures NOT DRAWN to SCALE. Must SHOW WORK for credit!

13.) 	14.) 
$\theta = 58^\circ$	$x = 13.6^\circ$
15.) 	16.) 
$\theta = 9.6^\circ$	$\theta = 91^\circ$
17.) Find diagonal (side) x. 	18.) 
$x = 7.2$	$x = 61.1$