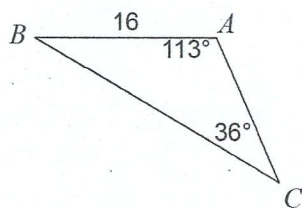


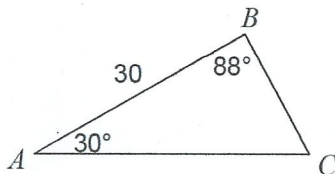
**I. Using the Law of Sines, find what is asked. Round to nearest tenth. Must show work!**

1.) Find: side a



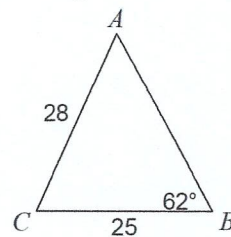
$$a = 25.1$$

2.) Find: side b



$$b = 34$$

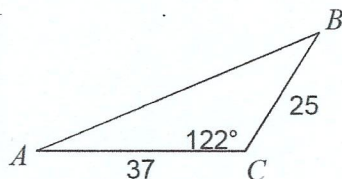
3.) Find: angle A



$$A = 52^\circ$$

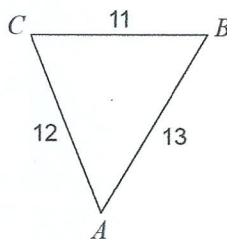
**II. Using the Law of Cosines, find what is asked. Round to nearest tenth. Must show work!**

4.) Find: side c



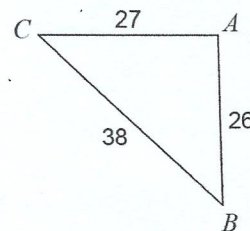
$$c = 54.5$$

5.) Find: angle C



$$C = 68.7^\circ$$

6.) Find: largest angle

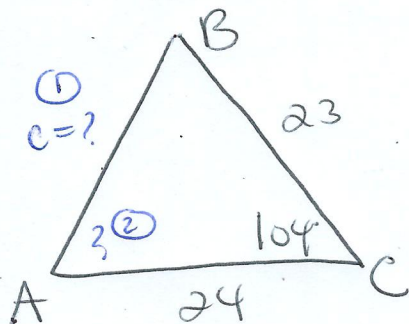


$$A = 91.6^\circ$$

**III. Using the BEST METHOD, find what is asked. Round to nearest tenth. Must show work!**

7.) Given:  $C = 104^\circ$ ,  $a = 23$ ,  $b = 24$

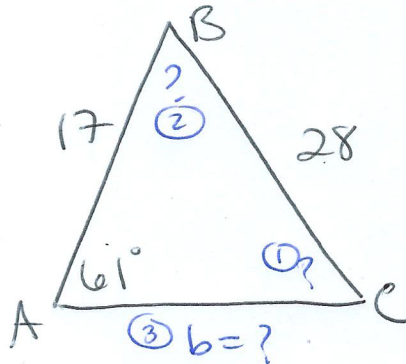
Find: angle A



$$A = 37.1^\circ$$

8.) Given:  $A = 61^\circ$ ,  $a = 28$ ,  $c = 17$

Find: side b



$$b = 32$$