

### 5 -3 Inverse Trigonometric Ratios Worksheet

Find the value of angle  $\theta$ . Round to the nearest degree.

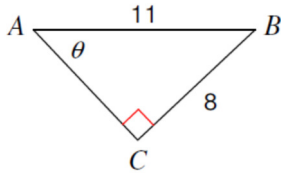
1.  $\cos \theta = 0.1736$

2.  $\sin \theta = 0.9511$

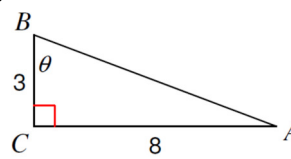
3.  $\tan \theta = 0.6249$

Find the measure of angle  $\theta$  (use the appropriate letter). Round to nearest tenth. Show work!

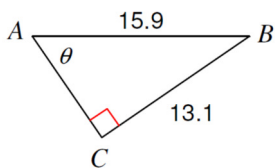
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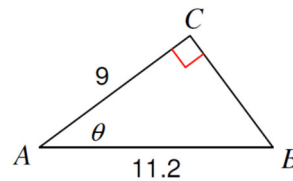
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6.

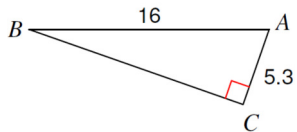


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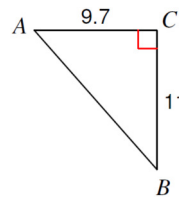


Solve each triangle. Round all answers to nearest tenth. Show all of your work!!

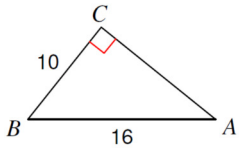
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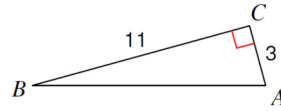
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10.

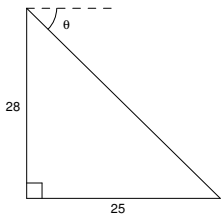


11.

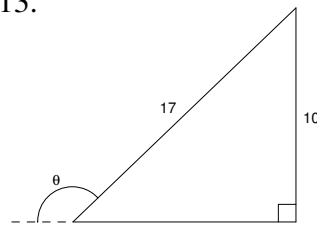


**Find the measure of angle  $\theta$ . Round to tenth place. Must show work!**

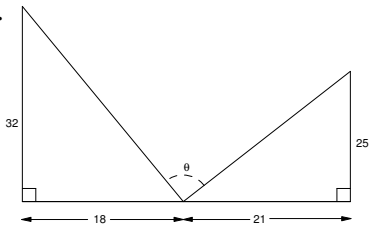
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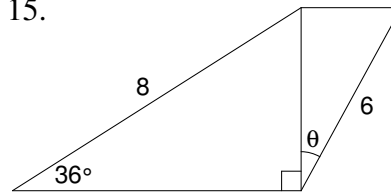
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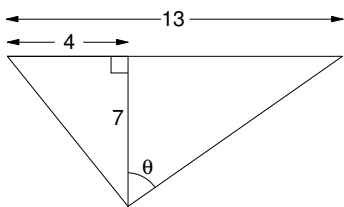
14.



15.



16.



17.

