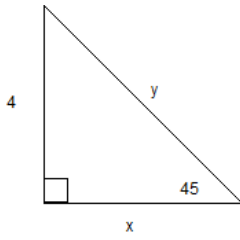


Review of Trig from Geometry

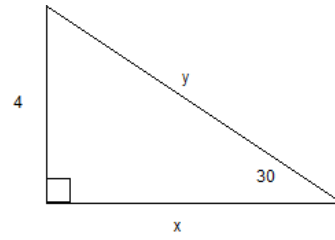
Name: _____

Use the properties of special right triangles to find the length of each missing side.

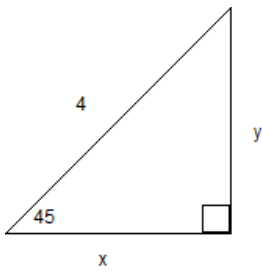
1.



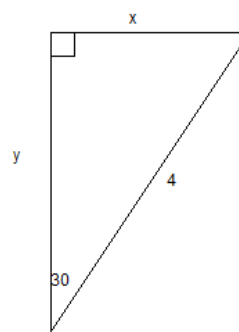
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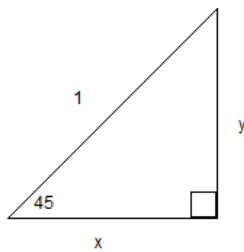
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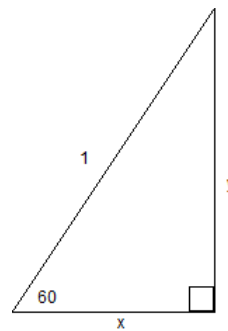
4.



5.

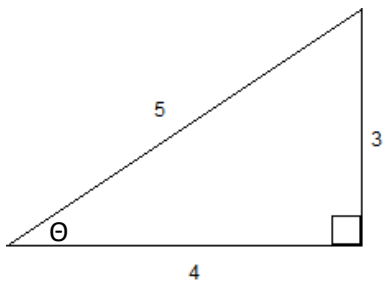


6.

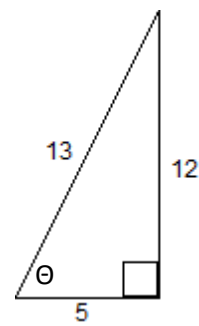


Find the value of $\sin\theta$, $\cos\theta$, and $\tan\theta$ for the triangles below.

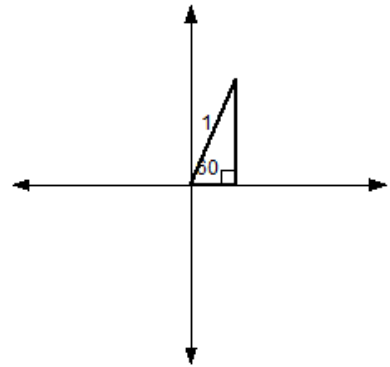
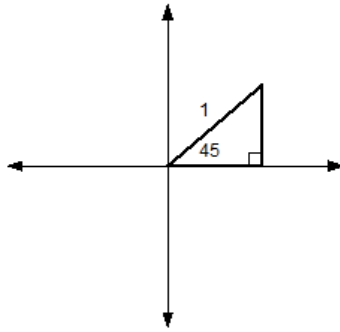
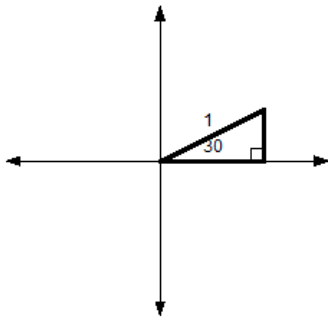
7.



8.



The pictures below represent 30° , 45° , and 60° angles in the first quadrant. Based on the measurements in the pictures, identify the requested quantities for questions 9-11.



9. Find $\sin 30^\circ$, $\sin 45^\circ$, and $\sin 60^\circ$.
10. Find $\cos 30^\circ$, $\cos 45^\circ$, and $\cos 60^\circ$.
11. Find $\tan 30^\circ$, $\tan 45^\circ$, and $\tan 60^\circ$.
12. What other trig value is the same as $\sin 30^\circ$? Why?
13. Explain the answer for $\tan 45^\circ$.
14. Use a calculator to find $\sin 90^\circ$. Explain your answer. (Be sure your calculator is in degree mode.)
15. What other trig value do you think is equivalent to $\sin 90^\circ$, and why?