

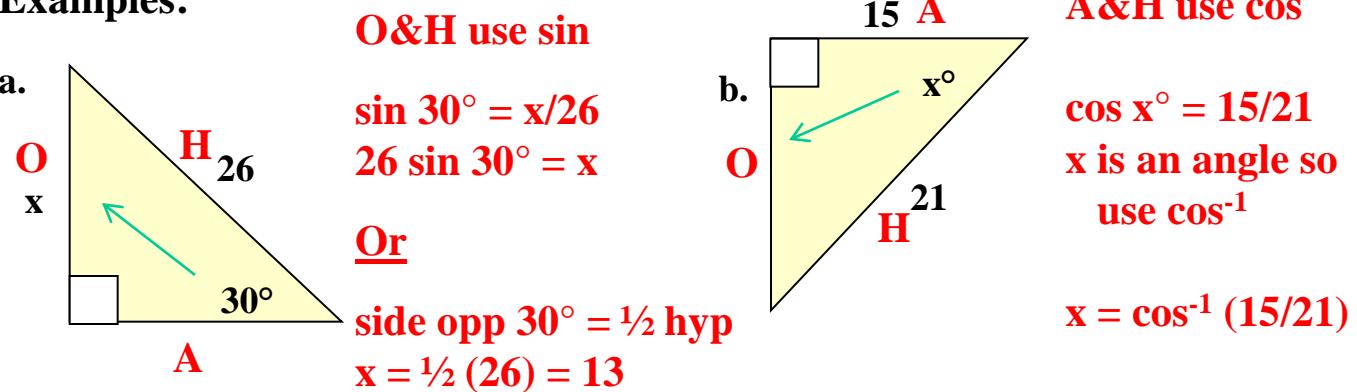
# Trig Work Sheet 50 pts

Name: \_\_\_\_\_

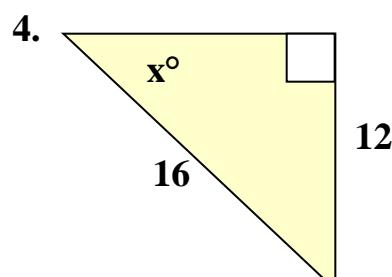
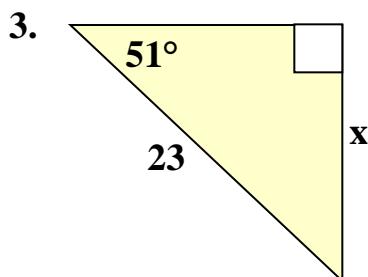
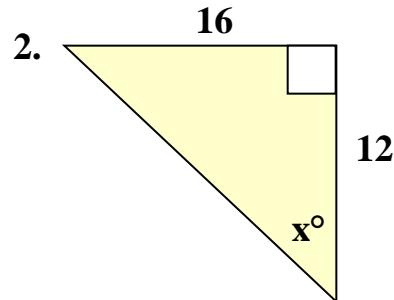
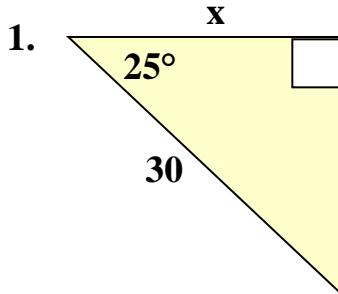
## Steps to Solve Trig Problems:

- 1) Label the sides of the triangle based on given angle  
(H - hypotenuse, O – side opposite angle, A – side adjacent angle)
- 2) Use trig definitions to figure out which trig function to use  
(O&H → sin; A&H → cos; O&A → tan)
- 3) Write out equation using definition
- 4) Solve for x (remember if x is an angle to use inverse trig function  
 $\sin^{-1}$  or  $\cos^{-1}$  or  $\tan^{-1}$ )

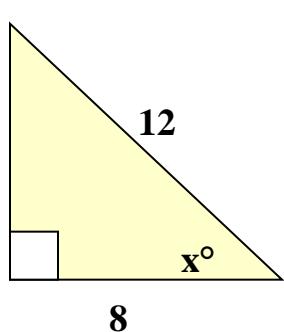
## Examples:



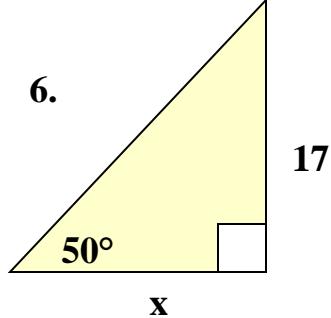
Find values for x in each problem; ok to leave in fraction form



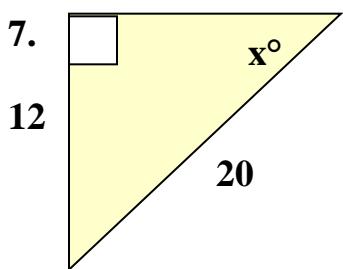
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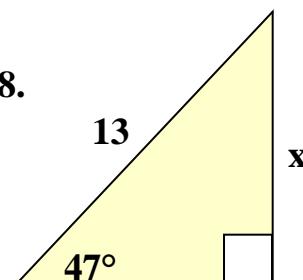
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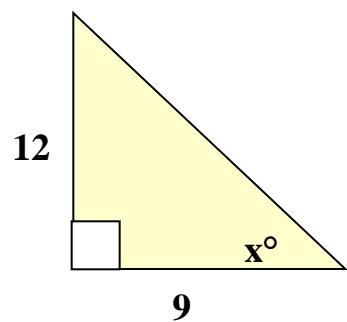
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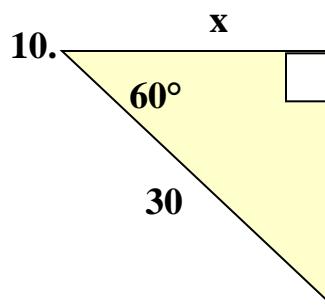
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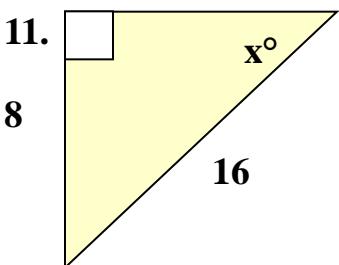
9.



10.



11.



12.

