Name _____ Date _____

1) Use a calculator to find the indicated trigonometric ratio's value. Round to three decimal places.
make sure you are in degree mode

A) $\sin 45 =$ B) $\cos 50 =$ C) $\tan 60 =$

D) $\sin 28 =$ E) $\cos 40 =$ F) $\tan 45 =$

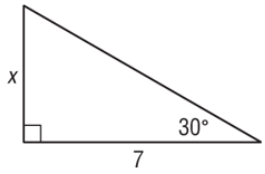
2) Use the trigonometric functions to solve for the given variable. Show all work. Round your **final** answers to the nearest hundredth, if needed.

A) $\sin 60° = \frac{x}{30}$ B) $\cos 45° = \frac{5}{x}$ C) $\tan 30° = \frac{x}{9}$

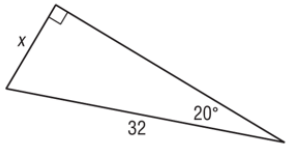
D) $\cos 60° = \frac{20}{x}$ E) $\sin 59° = \frac{x}{5.8}$ F) $\tan 79° = \frac{9.8}{x}$

3) Find the measurement of the segments labelled with variables. Round your **final** answers to the nearest hundredth, if needed.

A)



B)



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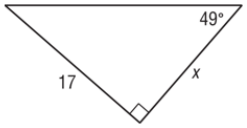

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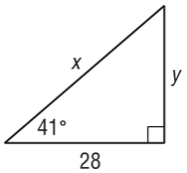

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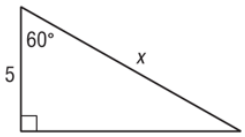

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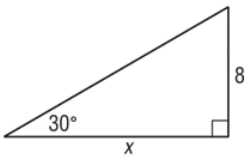
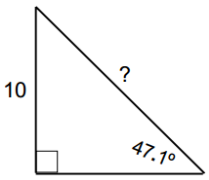


4) Use trigonometric ratios to solve for the missing side. Round your **final** answers to the nearest hundredth, if needed.

A)



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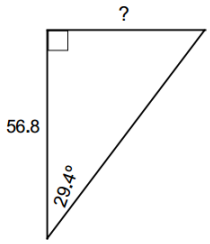

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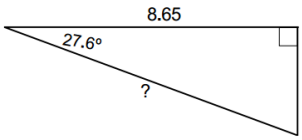

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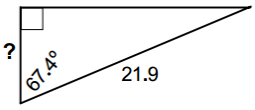

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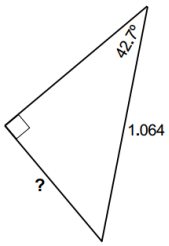

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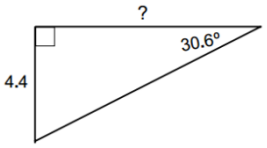
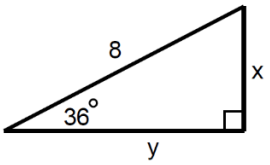


4) Use trigonometric ratios to solve for the missing side. Round your **final** answers to the nearest hundredth, if needed.

A)



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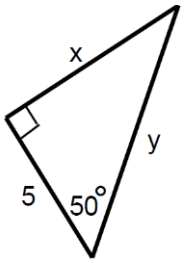

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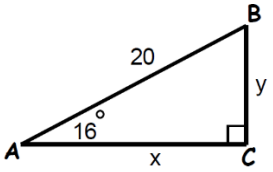
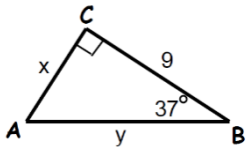
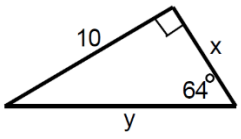


D)



E)



F)