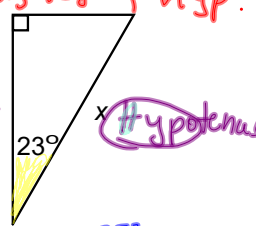


Starter Soh Cah Toa 21 APR 2017
 Find the length of the missing side to the nearest tenth. *opp leg, adj leg, hyp.*

1) $x = \underline{\hspace{2cm}}$



$\cos 23 = \frac{28}{x}$ *A/H*

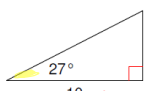
$x \cos 23 = 28$
 $x = \frac{28}{\cos 23}$

$\frac{28}{\cos(23)}$
 30.41809057

$x = 30.4$

Using Trigonometry To Find Lengths
 Find the missing side. Round to the nearest tenth. Soh Cah Toa

1) $\tan 27 = \frac{x}{10}$ *angle O/A*



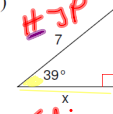
$10 \tan 27 = x$

Calc. $10 \tan(27)$
 5.095254495

$x = 5.1$

Soh Cah Toa

3) $\cos 39 = \frac{x}{7}$ *A/H*



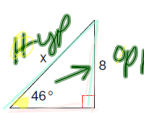
$7 \cos 39 = x$

$5.4 = x$

adj. - next to leg

Soh Cah Toa

4) $\sin 46 = \frac{8}{x}$ *O/H*



$x \sin 46 = 8$

$x = \frac{8}{\sin 46}$

$x = 11.1$


Kuta Software - Infinite Algebra 1


Name _____


Using Trigonometry To Find Lengths


Date _____ Period _____


Find the missing side. Round to the nearest tenth.


1) 


2) 


3) 


4) 


5) 


6) 


7) 


8) 


9) 


10) 


11) 


12) 

13) 

14) 

15) 

16) 

17) 

18) 