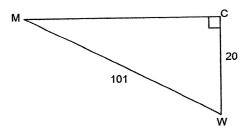


3. Use the given triangle to find the following as ratios.



$$\cot W =$$

$$\sec W =$$

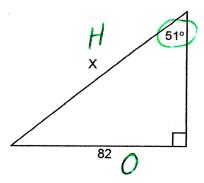
$$\csc W =$$

Bellwork Alg 2 Wednesday, April 22, 2020

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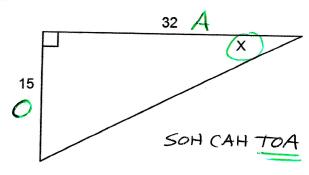
Find the value of x to the nearest hundredth.

1.



SOHCAHTOA

2.



$$Tan X = \frac{15}{32}$$

$$X = Tan^{-1}(\frac{5}{32})$$

$$X = 25.11^{\circ}$$

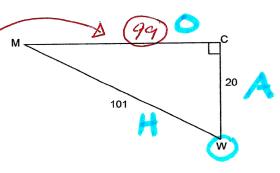
3. Use the given triangle to find the following as ratios.

1ST find missing side:

$$\chi^{2} + 20^{2} = 101^{2}$$

$$\chi^{2} = 101^{2} - 20^{2}$$

$$x = 99$$



$$\cot W = \frac{20}{99}$$

$$\rightarrow$$
 Tanw= $\frac{99}{30}$

$$\sec W = \frac{101}{20}$$

$$\Rightarrow \cos w \Rightarrow \cos w = \frac{20}{101}$$

$$\csc W = \frac{101}{99}$$

$$\rightarrow$$
 $\frac{1}{\sin w} \rightarrow \sin w = \frac{99}{101}$