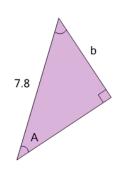


mobius

Trigonometry - Side Length Ratios from Diagrams



1



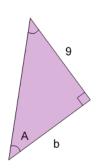
Solve for the side length in ratio form

$$b=rac{7.8}{sin(A)}$$

$$\ddot{b} = sin(A) imes 7.8$$

$$b = rac{sin(A)}{7.8}$$

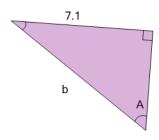
2



Solve for the side length in ratio form

$$egin{aligned} b = rac{tan(A)}{9} b = rac{9}{tan(A)} \end{aligned}$$

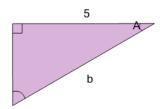
3



Solve for the side length in ratio form

$$b = rac{7.1}{sin(A)} b = rac{sin(A)}{7.1}$$

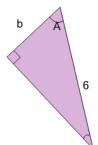
4



Solve for the side length in ratio form

$$b = rac{\mathsf{5}}{cos(A)} b = rac{cos(A)}{\mathsf{5}}$$

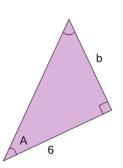
5



Solve for the side length in ratio form

$$b = rac{\mathsf{6}}{cos(A)} b = cos(A) imes \mathsf{6}$$

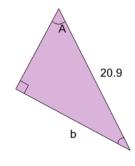
6



Solve for the side length in ratio form

$$b = rac{tan(A)}{6} b = tan(A) imes 6$$

7



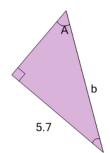
Solve for the side length in ratio form

$$b=rac{20.9}{sin(A)}$$

$$ar{b} = sin(A) imes 20.9$$

$$b=rac{sin(A)}{20.9}$$

8



Solve for the side length in ratio form

$$b = rac{sin(A)}{5.7} b = rac{5.7}{sin(A)}$$