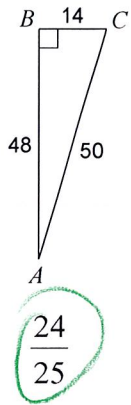


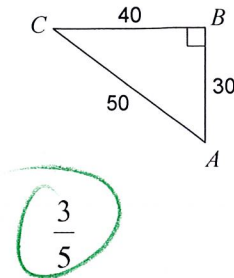
Finding Side Lengths

Find the value of each trigonometric ratio.

1) $\cos A$



2) $\sin C$



Find the value of each trigonometric ratio to the nearest ten-thousandth.

3) $\cos 73^\circ$

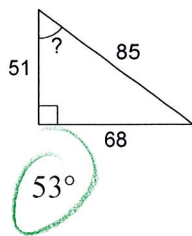


4) $\cos 45^\circ$

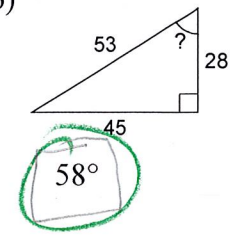


Find the measure of the indicated angle to the nearest degree.

5)



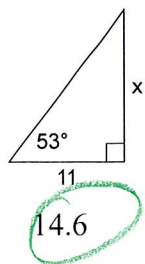
6)



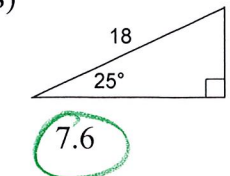
$\sin \theta = \frac{45}{53} \quad \sin^{-1}(\frac{45}{53})$
 OR
 $\cos \theta = \frac{28}{53} \quad \cos^{-1}(\frac{28}{53})$
 OR
 $\tan \theta = \frac{45}{28} \quad \tan^{-1}(\frac{45}{28})$

Find the missing side. Round to the nearest tenth.

7)

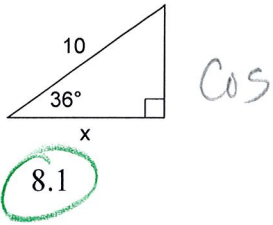


8)

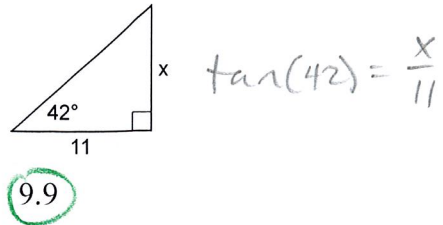


$\sin(25) = \frac{x}{18}$

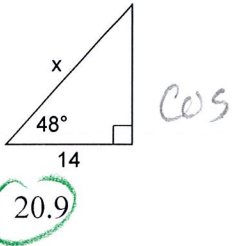
9)



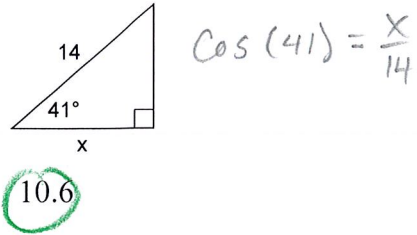
10)



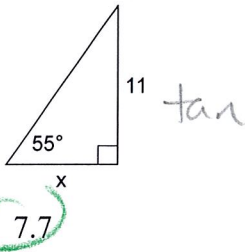
11)



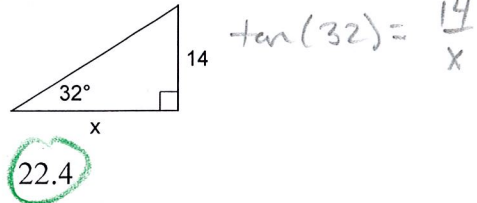
12)



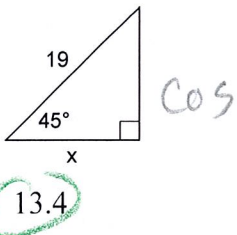
13)



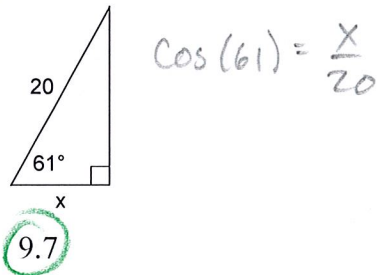
14)



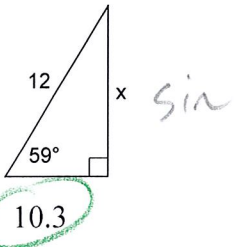
15)



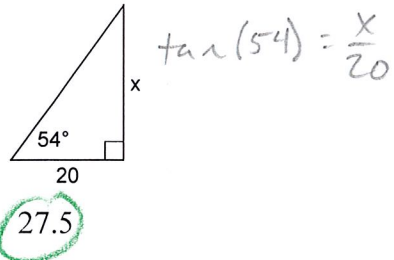
16)



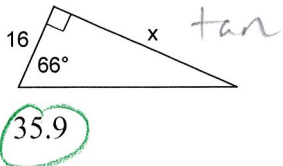
17)



18)



19)



20)

