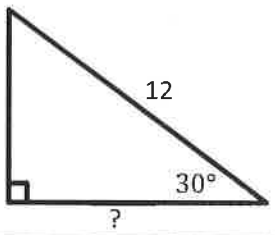
Name: KEY

Trigonometry of Right Angle Triangles – CAH

Solve for the missing side of the right angle triangle, round to the nearest ~~whole number~~ tenth.

1.

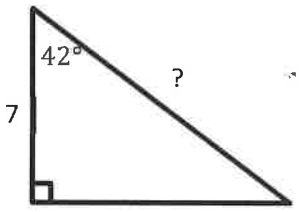


$\cos 30 = \frac{x}{12}$

$12(\cos 30) = x$

$x = 10.4$

2.



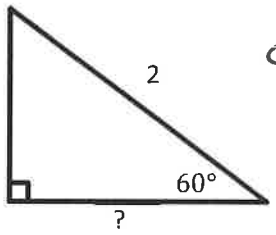
$\cos 42 = \frac{7}{x}$

$x(\cos 42) = 7$

$x = \frac{7}{\cos 42}$

$x = 9.4$

3.

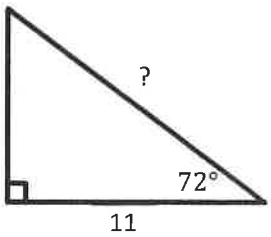


$\cos 60 = \frac{x}{2}$

$2(\cos 60) = x$

$x = 1.0$

4.



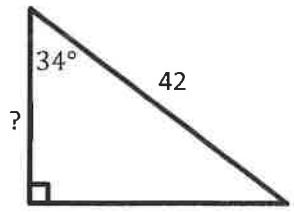
$\cos 72 = \frac{11}{x}$

$x(\cos 72) = 11$

$x = \frac{11}{\cos 72}$

$x = 35.6$

5.



$\cos 34 = \frac{x}{42}$

$42(\cos 34) = x$

$x = 34.8$

Triangles not to scale, trust the math