

Handout 6.1: Trigonometric Ratios

$$\cos A = ?$$

$$\sec A = ?$$

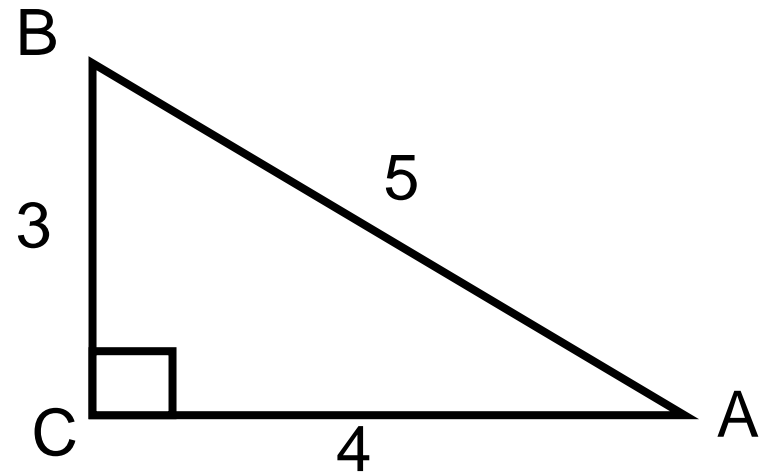
$$\sin B = ?$$

$$\csc B = ?$$

$$\tan B = ?$$

$$\cot A = ?$$

$$\tan A = ?$$



5 Equations that apply
to right triangles.

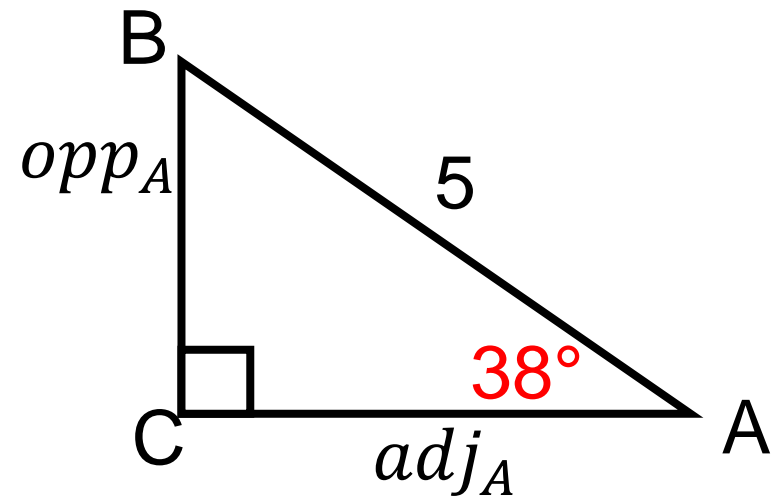
1)

2)

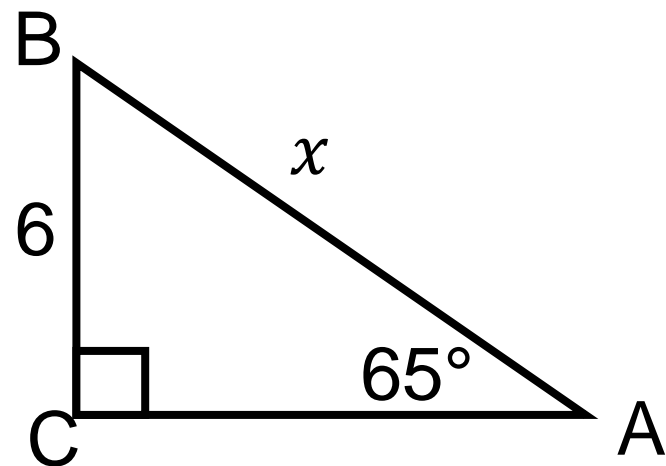
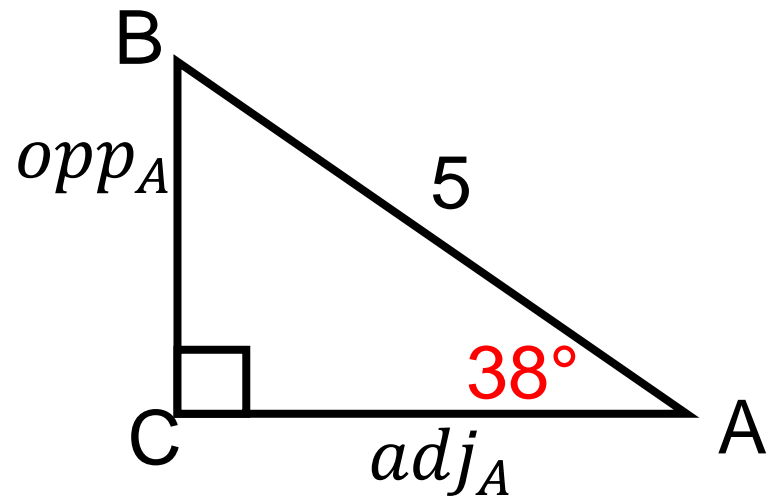
3)

4)

5)



Solve the triangle.



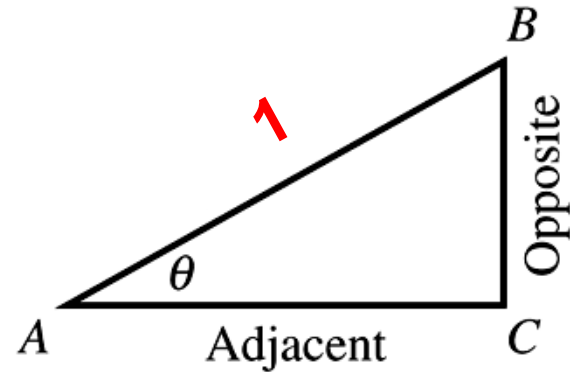
hypotenuse = 1

Why is it “nice” to have a hypotenuse whose length is ‘1’?

Sin Θ = _____

Cos Θ = _____

Tan Θ = _____



The length of the hypotenuse is _____!