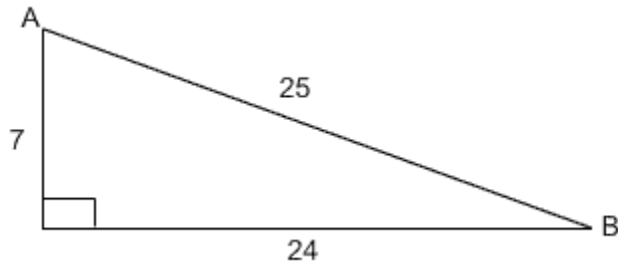


Geometry
Unit: Right Triangles and Trigonometry
Section: Ratios of Right Triangles

Review Worksheet

1) Find the sine, cosine, tangent, cosecant, secant and cotangent of both angle A and angle B in the right triangle below.



$\sin A =$

$\sin B =$

$\cos A =$

$\cos B =$

$\tan A =$

$\tan B =$

$\csc A =$

$\csc B =$

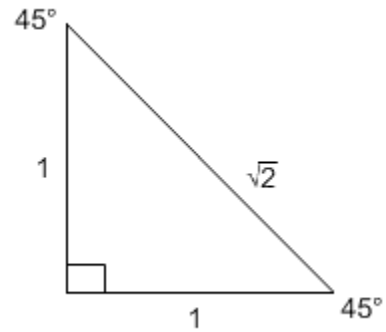
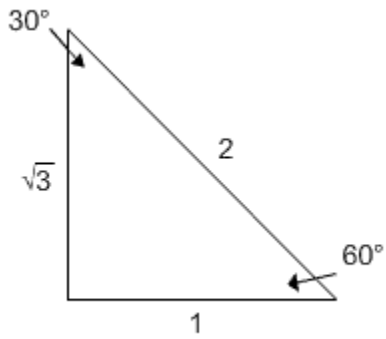
$\sec A =$

$\sec B =$

$\cot A =$

$\cot B =$

2) Draw the 30° - 60° - 90° Special Right Triangle and the 45° - 45° - 90° Special Right Triangle and then find the sine, cosine and tangent of 30° , 60° , and 45° .



$$\sin 30^\circ =$$

$$\sin 60^\circ =$$

$$\sin 45^\circ =$$

$$\cos 30^\circ =$$

$$\cos 60^\circ =$$

$$\cos 45^\circ =$$

$$\tan 30^\circ =$$

$$\tan 60^\circ =$$

$$\tan 45^\circ =$$

3) A 27 ft ladder leans against a wall at an angle of elevation of 47° . How high off the ground does the top of the ladder touch the wall? How far away from the wall is the base of the ladder?

