

1. Provide the definition of the trigonometric functions in terms of opposite, adjacent, and hypotenuse.

$$\sin A = \frac{O}{H}$$

$$\csc A = \frac{H}{O}$$

$$\cos A = \frac{A}{H}$$

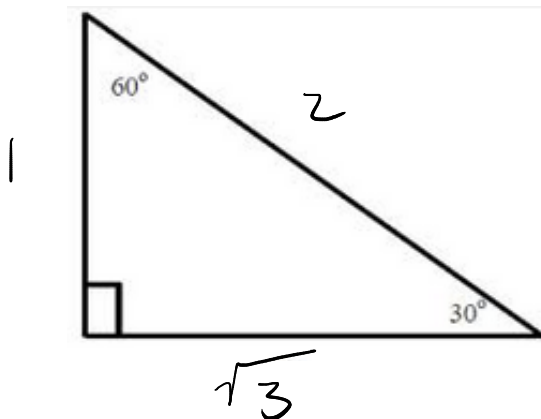
$$\sec A = \frac{H}{A}$$

$$\tan A = \frac{O}{A}$$

$$\cot A = \frac{A}{O}$$

2. Label the sides of each of the triangles with the appropriate proportions for the given special triangle.

a.



b.

