

Choose Trigonometric Ratios



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

A 3 4 5 right triangle

Relative to angle A, the opposite side is 3, the adjacent side is 4 and the hypotenuse is 5. Sine uses opposite/hypotenuse, cosine adjacent/hypotenuse, tangent opposite/adjacent.

1. Find $\sin A$.

2. Find $\cos A$.

3. Find $\tan A$.

4. If $\sin B = 1/2$ and the hypotenuse is 10, find the opposite side.

5. For the other acute angle, what is the sine ratio in the 3 4 5 triangle?

6. Why do opposite and adjacent change when the reference angle changes?
