

Trigonometric Ratios Task

$\triangle ABC$ is a right triangle. The length of a is 4.5 units, b is 6 units, and c is 7.5 units.

Create a similar triangle to $\triangle ABC$ with a hypotenuse of length 1. What are the lengths of the remaining sides? How do these lengths relate to the values of sine and cosine for angles A and B in $\triangle ABC$?


