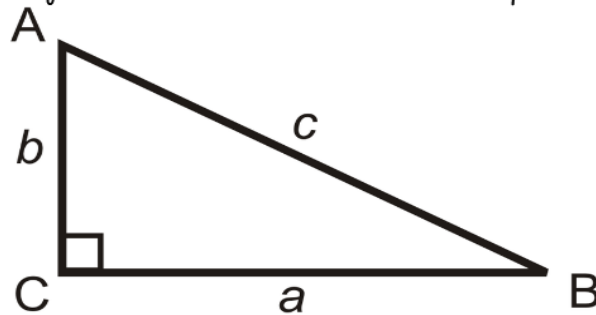


Trig CoFunction Relationships



In the above triangle, Name two complementary angles.

The Sine of an angle is always equal to
the _____ of its complement.

So...

$$\sin(A) = \cos(\underline{\quad})$$

And

$$\cos(A) = \sin(\underline{\quad})$$

The Tangents of complementary angles are _____ of each other.

So.. if the $\tan(A) = \frac{3}{5}$ then the $\tan(B) = \underline{\quad}$

<p>Example: If you are given an Angle:</p> $\sin(\theta) = \cos(90 - \theta)$ $\sin(75) = \cos(\underline{\quad})$	1. $\cos(22) = \sin(\underline{\quad})$
<p>Example: If you are given a ratio. Given: A and B are complementary. And $\sin(B) = \frac{4}{5}$ Find:</p> $\sin(A) = \underline{\quad}$ $\cos(A) = \underline{\quad}$ $\cos(B) = \underline{\quad}$ $\tan(A) = \underline{\quad}$ $\tan(B) = \underline{\quad}$	2. Given: A and B are complementary. And $\cos(B) = \frac{8}{17}$ Find: