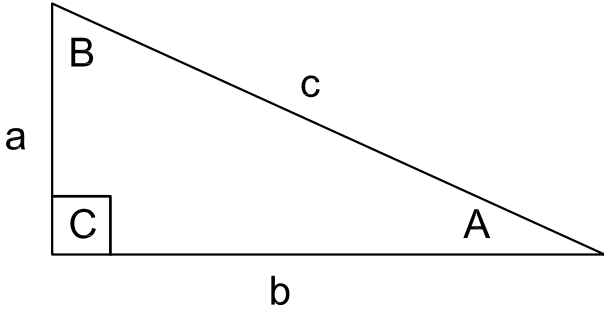


| | | | |
|---|---------------------------|------------------------|--|
|  | $a / c = \sin A = \cos B$ | | |
| | $b / c = \cos A = \sin B$ | | |
| | $a / b = \tan A = \cot B$ | | |
| | $b / a = \cot A = \tan B$ | | |
| $a = c \times \sin A$ | $b = c \times \cos A$ | $c = a / \sin A$ | |
| $a = c \times \cos B$ | $b = c \times \sin B$ | $c = a / \cos B$ | |
| $a = b \times \tan A$ | $b = a \times \tan B$ | $c = b / \sin B$ | |
| $a = b / \tan B$ | $b = a / \tan A$ | $c = b / \cos A$ | |
| $a = \sqrt{c^2 - b^2}$ | $b = \sqrt{c^2 - a^2}$ | $c = \sqrt{a^2 + b^2}$ | |
| $A = 90^\circ - B$ | $B = 90^\circ - A$ | $C = 90^\circ$ | |

Trigonometry Relationships

SOH

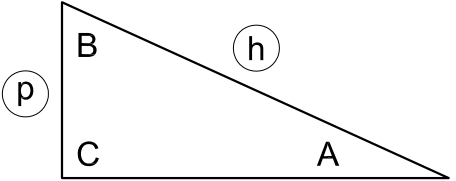
Sine = $\frac{\text{Opposite}}{\text{Hypotenuse}}$

CAH

Cosine = $\frac{\text{Adjacent}}{\text{Hypotenuse}}$

TOA

Tangent = $\frac{\text{Opposite}}{\text{Adjacent}}$



(p) (h) (b)

Sin = $\frac{p}{h}$ → Peter
 Has
 Cos = $\frac{b}{h}$ → Broken
 His
 Tan = $\frac{p}{b}$ → Pop
 Bottle