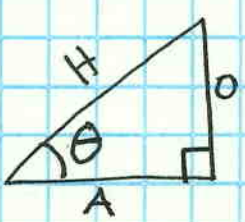
Overview

SOH CAH TOA



Right triangle only!

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

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

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

$\theta = \sin^{-1}\left(\frac{O}{H}\right)$

$\theta = \cos^{-1}\left(\frac{A}{H}\right)$

$\theta = \tan^{-1}\left(\frac{O}{A}\right)$

inverse functions find angles

Solving

1. Determine what you know/need
   * Write it on the triangle (o, h, a)
2. Determine what trig Ratio to use.
3. Plug in your known values
4. Solve for the unknown.
5. Label units on answer

HW: 579: 4-12 648: 1-6