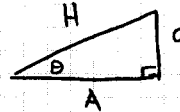


Trig Ratios on a Calculator

January-09-18 10:11 AM

Recall: SOH CAH TOA



⊗ Use a calculator to find the ratio, given each angle:

a) $\sin 35^\circ = 0.5736$

b) $\cos 52^\circ = 0.6157$

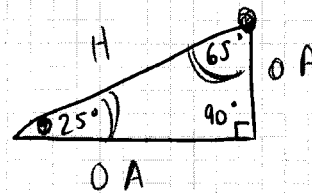
c) $\tan 18^\circ = 0.3249$

d) $\sin 25^\circ = 0.4226$

e) $\cos 25^\circ = 0.9063$

f) $\sin 65^\circ = 0.9063$

g) $\cos 65^\circ = 0.4226$



⊗ If you have the trig ratio and want to find the angle use the "inverse" buttons:

\sin^{-1}

\cos^{-1}

\tan^{-1}

(usually a 2ND function / shift on the calculator)

Ex. calculate each angle size:

a) $\sin \theta = 0.3584$

calc: 2ND Func, sin, 0.3584

$\sin^{-1}(0.3584)$, $\theta = 21^\circ$

Angles are usually reported as whole numbers.

b) $\cos B = 0.5389$

$\cos^{-1}(0.5389)$, $B = 57^\circ$

c) $\tan P = 3.2106$

$\tan^{-1}(3.2106)$, $P = 73^\circ$