C2 - Chapter 2 - The sine and the cosine rule


* Sine rule: $\quad \frac{\sin A}{a}=\frac{\sin B}{b}=\frac{\sin C}{c}$
* Cosine rule: $a^{2}=b^{2}+c^{2}-2 b c \cos A$

Remember to always start with the side that is found opposite the angle of interest

* Avea of a triangle $=\frac{1}{2} a b \sin c$ Two sides and the included angle
* $\mathrm{S} \begin{aligned} & \mathrm{O} \\ & \mathrm{H}\end{aligned}$
C $\begin{aligned} & \mathrm{A} \\ & \mathrm{H}\end{aligned}$
$T_{A}^{0}$
SOH CAH TOA
Some Old Horses Can Always Hide Their Old Age
* When using the sine role, bear in mind that $\sin (180-x)=\sin x$ so there may be two possible results for the angle you are trying to find


