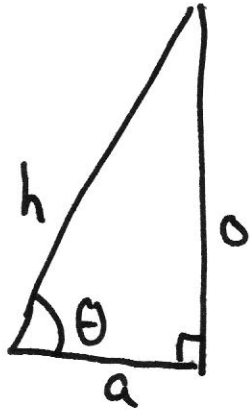


# TRIGO FORMULAS

Right  $\triangle$

Non-right  $\triangle$

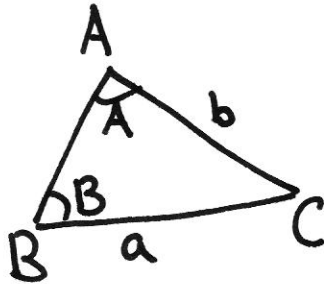
TOA  
CAH  
SOH



$$\tan \theta = \frac{o}{a}$$

$$\cos \theta = \frac{a}{h}$$

$$\sin \theta = \frac{o}{h}$$

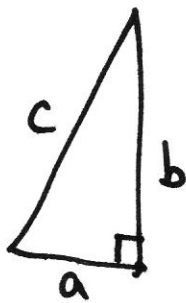


SINE  
RULE

$$\frac{\sin A}{a} = \frac{\sin B}{b}$$

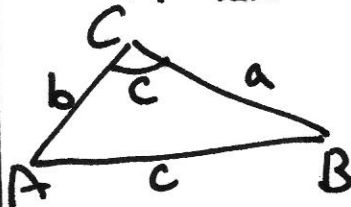
PYTHAGORAS  
THEOREM

$$c^2 = a^2 + b^2$$



COSINE  
RULE

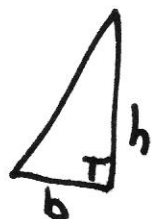
$$c^2 = a^2 + b^2 - 2ab \cos C$$



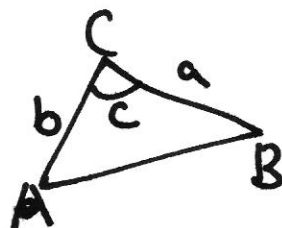
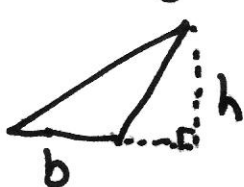
AREA

AREA

$$\frac{1}{2}bh$$

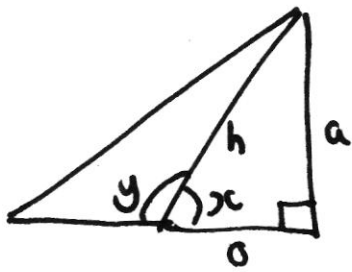


$$\frac{1}{2}bh$$



$$\frac{1}{2}ab \sin C$$

# Obtuse $\angle$ s



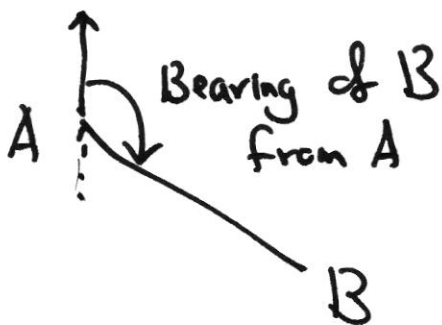
$$\sin y = \sin x = \frac{h}{a}$$

$$\cos y = -\cos x = -\frac{h}{a}$$

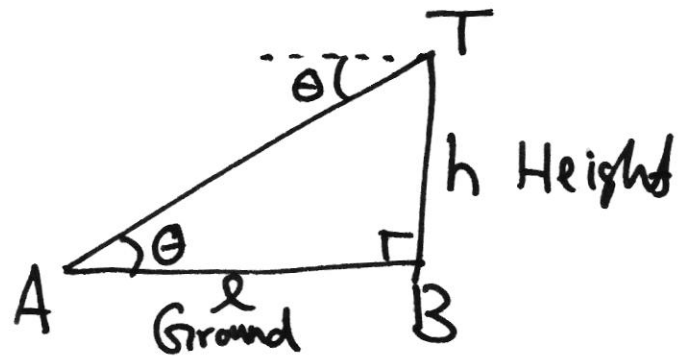
$$\tan y = -\tan x = -\frac{h}{a}$$

## Bearing

CLOCKWISE FROM  
NORTH

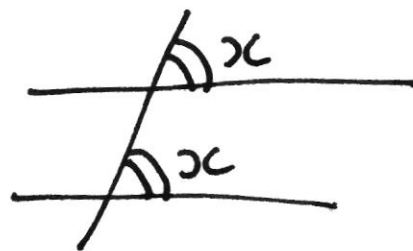
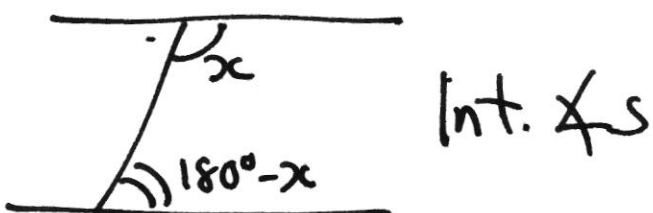


## $\angle$ of elevation / depression



$$\tan \theta = \frac{h}{l}$$

## Parallel lines



Corresponding  
 $\angle$ s.