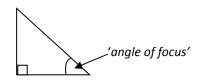
UNIT 5 SURVIVAL GUIDE: Trigonometry

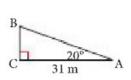
PRIMARY TRIG RATIOS

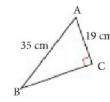


$$\sin \theta =$$
 $\cos \theta =$ $\tan \theta =$

- use ______ to remember the relationships
- only to be used for _______
- use sin, cos and tan and cross multiply to find
- use sin⁻¹, cos⁻¹ and tan ⁻¹ to find

Solve each triangle.





THE SINE LAW

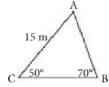
____ = ___ = ___ or ___ = ___ = ___

When to use:

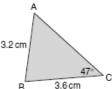
- when given a pair of opposites (side and angle) plus another piece of information
- Remember you can always find the 3rd angle by subtracting the other two from 180°

Remember to start with what you don't know!

Find c.



Find
$$\angle A$$



THE COSINE LAW

$$c^2 = + -$$

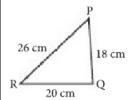
or

When to use:

Given _____ or ____

Remember that the unknown will either be the first or last variable in the formula!

Find $\angle P$.



Find d.

