Name: $\qquad$
UNIT 5 SURVIVAL GUIDE: Trígonometry

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

- use $\qquad$ to remember the relationships
- only to be used for $\qquad$
- use sin, cos and tan and cross multiply to find
- use $\sin ^{-1}, \cos ^{-1}$ and $\tan ^{-1}$ to find $\qquad$
Solve each triangle.


The Sine Law
$\qquad$ or $\qquad$

## When to use:

- when given a pair of opposites (side and angle) plus another piece of information
- Remember you can always find the $3^{\text {rd }}$ angle by subtracting the other two from $180^{\circ}$

Remember to start with what you don't know!

Find $c$.


The Cosine Law

$$
c^{2}=
$$ $+$ $\qquad$ - $\qquad$

or

When to use:

- Given $\qquad$ or $\qquad$

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

Find $\angle P$.


Find $d$


