RIGHT TRIANGLES

$\sin \theta=\frac{\text { opp }}{\text { hyp }}$
$\cos \theta=\frac{\text { adj }}{\text { hyp }}$
10

$$
\tan \theta=\frac{\mathrm{opp}}{\mathrm{adj}}
$$

## GIVEN: TWO SIDES

Use Pythagorean Theorem to find the third side.
use inverse trig functions to find angle measures.

## GIVEN: ONE SIDE \& ONE ACUTE ANGLE

USe right triangle trig ratios to find missing side lengths.

OBLIQUE TRIANCLES
If you know the measure oftwe angles, subtract from $180^{\circ}$ to find the measure of the third angle.
What combination of sides and angles have you been given?


Lalv of Sines
AMS OR ASA
one triangle

