### 8.1 Trigonometric Ratios

Students will be able to do trig like a math genius

## Trigonometric Ratios

There are three basic trigonometric ratios: sine, cosine, and tangent. These ratio's just represent the ratio's of the different sides of a right triangle.

$\operatorname{Sin} \theta=\frac{\text { Opposite }}{\text { Hypotenuse }}$
$\operatorname{Cos} \theta=\frac{\text { Adiacent }}{\text { Hypotenuse }}$
$\operatorname{Tan} \theta=\frac{\text { opposite }}{\text { Adjacent }}$

## SOHCAHTOA

Find the $\sin \theta, \cos \theta$, and $\tan \theta$.


Find the sine, cosine , and tangent of $\angle B$.

$\operatorname{Sin} B=$
$\operatorname{Cos} B=$
TanB =

## Independent Practice



