## M10-3.1-SOH CAH TOA Trigonometry Intro Notes

Sides
( $\theta \& \beta$ are Angles)


Adjacent: The side touching angle $\theta$.

Opposite: The side opposite of angle $\theta$.

Hypotenuse: The Longest Side, Opposite of the $90^{\circ}$ Angle.

Sine Ratio


4
Adj
Label Hyp/Opp/Adj


Calculator Degree Mode! (Not Radians)
Mode Degree

SOH CAH TOA

| I | O | H | O | A | H |
| :--- | :--- | :--- | :--- | :--- | :--- |
| N | P | Y | S | D | Y |
| E | P | P |  | J | P |
|  | O | O |  | $A$ | O |
|  | S | T |  | C | T |
|  | I | E |  | $E$ | $E$ |
|  | T | N |  | N | N |
|  | E | U |  | T | U |
|  |  | S |  |  | S |
|  |  | E |  |  | E |



$\theta=\cos ^{-1}(0.8)$
 Measure the angle with a protractor!

