

ACT Fact Sheet ... Trigonometry

Trigonometry

Pythagorean Theorem

Pythagorean Theorem $d^2 = a^2 + b^2 + c^2$

Trigonometric Ratios

$\sin A = \frac{\text{opposite leg}}{\text{hypotenuse}}$

$\cos A = \frac{\text{adjacent leg}}{\text{hypotenuse}}$

$\tan A = \frac{\text{opposite leg}}{\text{adjacent leg}}$

$\csc A = \frac{\text{hypotenuse}}{\text{opposite leg}}$

$\sec A = \frac{\text{hypotenuse}}{\text{adjacent leg}}$

$\cot A = \frac{\text{adjacent leg}}{\text{opposite leg}}$

