

FORMULAS

Trigonometry Ratios

$$\sin \theta = \frac{\textit{opposite}}{\textit{hypotnuse}}$$

$$\cos \theta = \frac{\textit{adjacent}}{\textit{hypotnuse}}$$

$$\tan \theta = \frac{\textit{opposite}}{\textit{adjacent}}$$

Sine Law

$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

Cosine Law

$$a^2 = b^2 + c^2 - 2bc \cos(A)$$

Simple Interest

$$I = Prt$$

Compound Interest

Future Value

$$A = P(1+r)^n$$

Present Value

$$P = \frac{A}{(1+r)^n}$$

Exponential Growth/Decay

$$y = a(b)^x$$