
Exponential Growth/Decay Models:

$Y = C(1 + r)^t$

$Y = C(1 - r)^t$

Vertex x-value: $x = \frac{-b}{2a}$

Discriminant: b^2-4ac

Quadratic Formula: $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

Percent: $\frac{P}{100} = \frac{is}{of}$

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

Distance Formula:

$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

Midpoint Formula: $(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2})$