

<p>Compound Interest</p> $A = P \cdot \left(1 + \frac{APR}{n}\right)^{ny}$	<p>Exact Half-Life</p> $T_h = -\frac{\log_{10}2}{\log_{10}(1+r)}$
<p>Logarithm Property</p> $\log_{10}x^y = y \cdot \log_{10}x$	<p>Exact Doubling Time</p> $T_d = \frac{\log_{10}2}{\log_{10}(1+r)}$
<p>Exponential Growth/Decay Using r</p> $Q = Q_0 \cdot (1+r)^t$	<p>Exponential Growth Using T_d</p> $Q = Q_0 \cdot 2^{t/T_d}$
<p>Linear Equation</p> $y = m \cdot x + b$	<p>Slope of a Line</p> $m = \frac{y_2 - y_1}{x_2 - x_1}$
<p>Exponential Decay Using T_h</p> $Q = Q_0 \cdot 0.5^{t/T_h}$	<p>Surface Area of a Cylinder</p> $SA = 2\pi r^2 + 2\pi rh$
<p>Surface Area of a Sphere</p> $SA = 4\pi r^2$	<p>Area of a Circle</p> $A = \pi r^2$

Please remember to use a **negative** r for an exponential decay!