**Formula Sheet**

a

A

b

B

c

C

***Pythagorean Theorem:*** *a*2 + *b*2 = *c*2

***Compounded Periodically:*** 

***Compounded Continuously:*** 

***Law of Sines:*** 

***Law of Cosines:*** 

***Quadratic Formula:*** 

**The following formulas are used for sequences and series:**

$a\_{n}=a\_{1}+\left(n-1\right)d$ $S\_{n}=n\left(\frac{a\_{1}+a\_{n}}{2}\right)$

$a\_{n}=a\_{1}r^{n-1}$ $S\_{n}=a\_{1}\left(\frac{1-r^{n}}{1-r}\right)$