

COMPLETED VERSION:

	Arithmetic [addition, common difference, d]	Geometric [multiplication \rightarrow common ratio, r]
Sequences	<p><i>Explicit Formula:</i> Allows you to find any term, a_n, in a sequence.</p> $a_n = a_1 + (n - 1)d$ <p>a_1 is the 1st term, n is the desired term number, d is the common difference</p>	<p><i>Explicit Formula:</i> Allows you to find any term, a_n, in a sequence.</p> $a_n = a_1 \cdot r^{n-1}$ <p>a_1 is the 1st term, n is the desired term number, r is the common ratio</p>
Series	$S_n = \frac{n(a_1 + a_n)}{2}$ <p>a_1 is the 1st term, n is the number of terms in the sum, a_n is the nth term in the sum.</p> <p><i>Sigma notation:</i></p>	$S_n = \frac{a_1(1-r^n)}{1-r}$ <p>a_1 is the 1st term, r is the common ratio, n is the number of terms in the sum.</p> <p><i>Sigma notation:</i></p>