**Unit 6 Sequence Quiz Reference Sheet**

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| **Arithmetic Sequences** |
| * *d* = common difference
* $a\_{1}$ = 1st term in the sequence
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| **Explicit Formula**$$a\_{n}= a\_{1}+d(n-1)$$ | **Recursive Formula**$$a\_{n}=a\_{n-1}+d$$ |
| **Geometric Sequences** |
| * *r* = common ratio
* $a\_{1}$ = 1st term in the sequence
 |
| **Explicit Formula**$$a\_{n}=a\_{1}(r)^{n-1}$$ | **Recursive Formula**$$a\_{n}=(r)a\_{n-1}$$ |