

Arithmetic Sequence

Recursive Rule:

$$f(1) = \underline{\hspace{2cm}}$$

$$f(n) = f(n-1) \pm d$$

Explicit Rule:

$$f(n) = f(1) \pm d(n-1)$$

Geometric Sequence

Recursive Rule:

$$f(1) = \underline{\hspace{2cm}}$$

$$f(n) = f(n-1) \cdot r$$

Explicit Rule:

$$f(n) = f(1) \cdot r^{n-1}$$

Recursive Rule:

$$a_1 = \underline{\hspace{2cm}}$$

$$a_n = a_{n-1} \cdot r \quad \text{or} \quad a_n = r \cdot a_{n-1}$$

Explicit Rule:

$$a_n = a_1 \cdot r^{n-1}$$

Function Notation

Subscript Notation