ARITHMETIC SEQUENCES (

WHAT IS AN ARITHMETIC SEQUENCE?

- Arithmetic Sequences: is created by ______ the growth rate
- Linear Function: is created by ______ the growth rate

HOW TO SHOW A SEQUENCE IS ARITHMETIC/LINEAR?

- What is the Common Difference (CD)/ Growth Rate: is the number to the previous term.
- How to calculate Common Difference/ Growth Rate: _____ _____

HOW TO WRITE A FORMULA FOR AN ARITHMETIC SEQUENCES?

Explicit Function:

- **How it works:** Describes outputs using their _____
- Need m= _____/slope • AND b=____/ y-intercept

Equation: •

Recursive Function:

- How it works: Describes outputs using the _____ output(s)
- Need first term a(__) AND recursive rule a(___) = a(_____)
- Equations: ;

EXAMPLE OF AN ARITHMETIC SEQUENCE

WHAT IS A GEOMETRIC SEQUENCE?

- Geometric Sequences: is created by ______ the growth factor
- Exponential Function: is created by ______ the growth factor

HOW TO SHOW A SEQUENCE IS GEOMETRIC/EXPONENTIAL?

- What is the Common Ratio (CD)/ Growth Factor: is the number to the previous term.

HOW TO WRITE A FORMULA FOR A GEOMETRIC SEQUENCES?

Explicit Function:

- How it works: Describes outputs using their _____
- **Need** b= / growth factor AND a= _____/ y-intercept

Equation:

Recursive Function:

- How it works: Describes outputs using the _____ output(s)
- Need first term a(__) AND recursive rule a(___) = a(_____)
- Equations: ;

EXAMPLE OF A GEOMETRIC SEQUENCE