

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

**Arithmetic and Geometric Sequences Practice – Explicit**

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**1) 10, 20, 40, 80, ?**

a) Is it Arithmetic or Geometric?: \_\_\_\_\_

b) Find the next term in table: \_\_\_\_\_

c) Write the Explicit Rule: \_\_\_\_\_

d) Find the 8<sup>th</sup> term: \_\_\_\_\_**2) 40, 200, 1000, 5000, ?**

a) Is it Arithmetic or Geometric?: \_\_\_\_\_

b) Find the next term in table: \_\_\_\_\_

c) Write the Explicit Rule: \_\_\_\_\_

d) Find the 6<sup>th</sup> term: \_\_\_\_\_**3) 9, 10, 11, 12, ?**

a) Is it Arithmetic or Geometric?: \_\_\_\_\_

b) Find the next term in table: \_\_\_\_\_

c) Write the Explicit Rule: \_\_\_\_\_

d) Find the 20<sup>th</sup> term: \_\_\_\_\_**4) 16, 64, 256, 1024, ?**

a) Is it Arithmetic or Geometric?: \_\_\_\_\_

b) Find the next term in table: \_\_\_\_\_

c) Write the Explicit Rule: \_\_\_\_\_

d) Find the 10<sup>th</sup> term: \_\_\_\_\_

5) **-2, -5 -8, -11, ?**

a) Is it Arithmetic or Geometric?: \_\_\_\_\_

b) Find the next term in table: \_\_\_\_\_

c) Write the Explicit Rule: \_\_\_\_\_

d) Find the 13<sup>th</sup> term: \_\_\_\_\_

6)

**6, 10, 14, 18, ?**

a) Is it Arithmetic or Geometric?: \_\_\_\_\_

b) Find the next term in table: \_\_\_\_\_

c) Write the Explicit Rule: \_\_\_\_\_

d) Find the 25<sup>th</sup> term: \_\_\_\_\_

7)

**8, 3, -2, -7, ?**

a) Is it Arithmetic or Geometric?: \_\_\_\_\_

b) Find the next term in table: \_\_\_\_\_

c) Write the Explicit Rule: \_\_\_\_\_

d) Find the 50<sup>th</sup> term: \_\_\_\_\_