Algebra 2 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chapter 11 Assignment Sheet Hour \_\_\_\_\_\_\_\_\_

**Chapter 11 Sequences and Series**

**Pass Objectives: 2.1d, 3.3**

Standard 2.1d: Use algebraic, interval, and set notations to specify the domain and range of functions of various types.

Section 3.3: Identify and use arithmetic and geometric sequences and series to solve problems.

Apr. 3 Guided Inquiry: Open/Immerse

HW: Homework WKS Day 1 Sequence and Series Intro

Apr. 4 Guided Inquiry: Immerse Section 11.1 Sequences as Functions

HW: Homework WKS Day 2 Sequence and Series Intro



Apr. 5 Guided Inquiry: Immerse

Arithmetic Sequences and Series Activity

Apr. 6 Guided Inquiry: Immerse Section 11.2 Arithmetic Sequences

KA Resources

HW: Homework WKS Day 3: Arithmetic Sequences

Apr. 7 Guided Inquiry: Immerse Section 11.2 Arithmetic Series

HW: Homework WKS Day 4: Arithmetic Series

Apr. 10 Guided Inquiry: Immerse Section 11.3 Geometric Sequences

HW: Homework WKS Day 5: Geometric Sequences

Apr. 11 Guided Inquiry: Immerse Section 11.3 Geometric Sequences and Series

HW: Homework WKS Day 6: Geometric Series

Apr. 12 Guided Inquiry: Explore

Where are Sequences/Series used in Real Life, Reseach Day, Question Seeking

Apr. 13 Guided Inquiry: Identify and Gather

Group by Topic, Gather more info, Create Rubric for presentation

Apr. 14 Guided Inquiry: Gather and Create

Finish Research, Create Presentations

Apr. 17 Guided Inquiry: Share and Evaluate

Present your Findings by Group, Teacher Evaluation, Student Evaluation

Begin Chapter 11 Review

Apr. 18 HW: Chapter 11 Review

Apr. 19 **Chapter 11 Test**

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**Chapter 11 Goal: Students will be able to recognize an arithmetic and geometric sequence/series. Students will also be able to write the nth term, find the nth term, and find the sum.**

0 – I can find the terms of a sequence.

1 – I can differentiate between arithmetic and geometric and identify the common ratio, the common difference, and the first term.

2 – I can write the rule for an arithmetic or geometric sequence and find any term of the sequence.

3 – I can find the sum of an arithmetic or geometric sequence.

4 – I can write apply geometric and arithmetic rules to real life situations.

**Chapter 11 Reflection:** Overall, how did this chapter go? What concept(s) do you feel the most confident with? Least confident? How do you feel about the Guided Inquiry process? Did you feel more interested in sequences and series because of it? Why or why not?

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