

Math Studies 1 - Independent Study Unit - Functions

Final date for this Lesson work to be submitted is Wednesday, April 18.

Chapter 8.1: Relations

HW/CW: Chapter 8.1, pages 239-40, do Q1,2acfhjk, 3,5abcef

I have reviewed all examples (Examples 8.1 - 8.5) _____.

I have reviewed the 8 examples of relations on p237-238. _____.

I have completed all questions and shown complete solutions of my work. _____.

I couldn't get the following questions: _____.

I have checked my answers and corrected the answers that were incorrect. _____.

My work, solutions, and checking of answers have been verified by: _____.

Chapter 8.2: Functions

HW/CW: Chapter 8.2, pages 245-6, do Q1,2,3,4,6,8,9,10

I have reviewed all examples (Examples 8.8 - 8.12) _____.

I have completed all questions and shown complete solutions of my work. _____.

I couldn't get the following questions: _____.

I have checked my answers and corrected the answers that were incorrect. _____.

My work, solutions, and checking of answers have been verified by: _____.

Chapter 8.4: More Equations

HW/CW: Chapter 8.4, page 251, do Q1abcdefghijkl and include sketches as well

I have reviewed all examples (Examples 8.8 - 8.12) _____.

I have completed all questions and shown complete solutions of my work. _____.

I couldn't get the following questions: _____.

I have checked my answers and corrected the answers that were incorrect. _____.

My work, solutions, and checking of answers have been verified by: _____.

An Alternative Suggestion of the Selection/Pacing/Timing of Questions

Wed, Fri, Mon (April 11,13,16)	I have reviewed all examples in Chap 8.1 (Examples 8.1 - 8.5) _____. I have reviewed the 8 examples of relations on p237-238. _____. I have reviewed all examples in Chap 8.2 (Examples 8.8 - 8.12) _____. I have reviewed all examples in Chap 8.4 (Examples 8.8 - 8.12) _____.	
Wednesday, April 11	Chap 8.1, p239-240; Q1,2 Chap 8.2, p245-6; Q1,2 Chap 8.4, p151; Q1abcd	I have completed all questions and shown complete solutions of my work. _____. I couldn't get the following questions: _____. I have checked my answers and corrected the answers that where incorrect. _____. My work, solutions, and checking of answers have been verified by: _____.
Friday, April 13	Chap 8.1, p239-240; Q3,5abcef Chap 8.2, p245-6; Q3,4,6 Chap 8.4, p151; Q1efgh	I have completed all questions and shown complete solutions of my work. _____. I couldn't get the following questions: _____. I have checked my answers and corrected the answers that where incorrect. _____. My work, solutions, and checking of answers have been verified by: _____.
Monday, April 16	Chap 8.2, p245-6; Q8,9,10 Chap 8.4, p151; Q1ijkl	I have completed all questions and shown complete solutions of my work. _____. I couldn't get the following questions: _____. I have checked my answers and corrected the answers that where incorrect. _____. My work, solutions, and checking of answers have been verified by: _____.

Skills/Concepts you Should be able to do

1. Be able to define function	easy	OK	difficult	Can't do it
2. Be able to define domain	easy	OK	difficult	Can't do it
3. Be able to define range	easy	OK	difficult	Can't do it
4. Represent relations and functions using multiple representations → graph, equation, data table, mapping diagram	easy	OK	difficult	Can't do it
5. Be able to determine a domain & range given a graph, a mapping diagram, an equation	easy	OK	difficult	Can't do it
6. Understand a mapping diagram and be able to use one to answer questions about domain, range, functions	easy	OK	difficult	Can't do it
7. Be able to work with function notation	easy	OK	difficult	Can't do it
8. Be able to graph unfamiliar functions/relations on the graphing calculator (including appropriate window settings and generate useful data tables)	easy	OK	difficult	Can't do it
9. Be able to analyze unfamiliar functions/relations when generated on the graphing calculator (domain, range, features like asymptotes)	easy	OK	difficult	Can't do it
10. Be able to solve equations involving unfamiliar functions using a graphic representation and the GDC	easy	OK	difficult	Can't do it