

Math 11
Term 1 - Recommended Assignments
Foundations of Mathematics 11
Chapters 1, 2 & 3

Chapter 1 – Inductive and Deductive Reasoning

Due: Oct. 22

Section	Title	Assignment for Basic Mastery
1.1	Making Conjectures: Inductive Reasoning	Pg. 12 #1 - 18
1.2	Exploring the Validity of Conjectures	Pg. 17 # 1-3
1.3	Using Reasoning to Find a Counterexample to a Conjecture	Pg. 22 #1-17
1.4	Proving Conjectures: Deductive Reasoning	Pg. 31 #1 - 16
	Mid-Chapter Review	Pg. 35 #1-11
1.5	Proofs That Are Not Valid	Pg. 42 # 1-7
1.6	Reasoning to Solve Problems	Pg. 48 #1 - 16
1.7	Analyzing Puzzles and Games	Pg. 55 #1- 13
	Chapter Review	Pg. 61 #1- 17

Chapter 1 Test on Oct. 22

Chapter 2 – Properties of Angles and Triangles

Due: Nov. 13

Section	Title	Assignment for Basic Mastery
2.1	Exploring Parallel Lines	Pg. 72 #1-6
2.2	Angles Formed by Parallel Lines	Pg. 78 #1-18
	Mid-Chapter Review	Pg. 85 #1-8
2.3	Angle Properties in Triangles	Pg. 90 #1-16
2.4	Angle Properties in Polygons	Pg. 99 #1-18
	Chapter Review	Pg. 106 #1-11

Chapter 2 Test on Nov. 13

Chapter 3 – Acute Triangle Trigonometry

Due: Nov. 20

Section	Title	Assignment for Basic Mastery
3.1	Exploring Side-Angle Relationships in Acute Triangles	Pg. 117 #1-5
3.2	Proving and Applying the Sine Law	Pg. 124 #1-15
	Mid-Chapter Review	Pg. 129 #1-9
3.3	Proving and Applying the Cosine Law	Pg. 136 #1-13
3.4	Solving Problems Using Acute Triangles	Pg. 147 #1-14
	Chapter Review	Pg. 153 #1-12

Chapter 3 Test on Nov. 20