SOLUTIONS TO SELECTED EXERCISES FROM HERSTEIN

MAX GOLDFARB

1. Things Familiar and Less Familiar

(1)	
1.2. Set Theory.	
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1.3. Mappings.	
(1)	
1.4. $A(S)$.	
(1)	
1.5. The Integers.	
(1)	
1.6. Mathematical Induction.	
(1)	
1.7. Complex Numbers.	
(1)	
	2. Groups
2.1. Definitions and Examples of Groups.	
(1)	
2.2. Some Simple Remarks.	
(1)	
2.3. Subgroups.	
(1)	
2.4. Lagrange's Theorem.	
(1)	
2.5. Homomorphisms and Normal Subgroups.	
(1)	
2.6. Factor Groups.	
(1)	
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1.1. A Few Preliminary Remarks.

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2.7. The Homomorphism Theorems.

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2.8. Cauchy's Theorem.

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2.9. Direct Products.

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