

Big Picture – Chapter 2

Lesson		Problem Set	Objectives	N	A	E	M
2.1	Modeling Linear Situations		Vocabulary				
		1 – 6	Identify independent and dependent quantities and write functions representing problem situations				
		7 – 12	Complete tables of values and calculate unit rates of change				
		13 – 18	Identify input values, output values, and rates of change for given functions				
		19 – 24	Solve functions for given input values				
		25 – 30	Determine input values for given output values using a graph				
2.2	Analyzing Linear Functions	1 – 6	Complete tables to represent problem situations				
		7 – 12	Identify input values, output values, y-intercepts, and rates of change for functions				
		13 – 18	Estimate intersection points of functions and dependent values using graphs				
		19 – 24	Determine exact values of intersection points using algebra				
2.3	Modeling Linear Inequalities		Vocabulary				
		1 – 6	Write equations and inequalities using a graph				
		7 – 12	Answer questions using a graph and graph solutions on a number line				
		13 – 18	Write and solve inequalities to answer questions from a problem situation				
		19 – 24	Represent solutions on a graph by drawing an oval then write corresponding inequality statements				
2.4	Solving and Graphing Compound Inequalities		Vocabulary				
		1 – 6	Write compound inequalities in compact form				
		7 – 12	Write inequalities from number lines				
		13 – 18	Graph inequalities on number lines				
		19 – 24	Write compound inequalities representing situations				
		25 – 32	Represent solutions of compound inequalities on number lines then write final solutions represented by the number line				
		33 – 38	Solve and graph compound inequalities on number lines				
2.5	Absolute Value Equations and Inequalities		Vocabulary				
		1 – 6	Evaluate absolute values				
		7 – 12	Determine the number of solutions and calculate solutions of equations				
		13 – 18	Solve linear absolute value equations				
		19 – 24	Solve linear absolute value equations				
		25 – 30	Solve linear absolute value inequalities and graph solutions on number lines				
		31 – 36	Graph functions that represent problem situations and draw an oval to represent solutions				
2.6	Understanding Non-Linear Graphs and Inequalities	1 – 6	Identify functions that represent problem situations				
		7 – 12	Graph functions that represent problem situations and use the graph to answer questions				

N – Novice

A – Apprentice

E – Expert

M - Master