

**Vocabulary:**

- Function
- Domain
- Range
- Input
- Output
- Mapping diagram
- Set notation
- Function Notation
- Linear equation
- Slope-intercept form
- Point-slope form
- Standard (General) form
- Parallel
- Perpendicular
- Absolute Value
- Vertex
- Direct Variation
- Constant of variation
- Solution of an inequality
- Translation

<b>Lesson</b>	<b>I should be able to...</b>	<b>Samples of the problems</b>
2.1	Display relations as mapping diagram, equation, graph, set of points, or table	#1, 8,
	Find a domain and range of the relation based on the set of points or graph of relation	#5, 38
	Identify if a relation is a function based on the graph, mapping diagram, and/or set of points	#13, 17,
	Understand and use function notation	#23, 53
2.2	Graph a linear equation (by three points or intercept and slope)	#3, 5
	Write an equation of a line based on two points	#27
	Write an equation of a line based on a point and slope	#21
	Find a slope of the line when its equation is given in standard form	#33
	Find an equation of a line parallel to the given	#38
	Find an equation of a line perpendicular to a given	#39
2.3	Identify if a relation is a direct variation based on a table of values	#1,5
	Identify if a relation is a direct variation based on equation	#9, 13
	Predict values of a variable based on direct variation relation	#43
2.4	Use linear function to build an algebraic model for a real-life situation	#1,3,5,7
2.5	Graph an absolute value function	#33, 39
2.6	Graph an equation using translations and basic functions	#30, 34
2.7	Graph linear inequality	#23
	Graph absolute value inequality	#15, 30
	Write an inequality based on its graph	#36-38, 42
p. 114	Cumulative review	#1-25 odds, #26, 27-30, 33-41 odds