Unit 6: Relations and Functions

Unit Checkpoint

Use the *Check Point* to check and reflect before completing the *Test Your Understanding Quiz* for *Unit 6: Relations and Functions*.

I understand how to:

***Unit 6* Concepts**	Place a checkmark in the appropriate column		
	Yes	**No**	**Maybe**
Describe a possible situation for a given graph			
Identify independent and dependent variable in a given context			
Understand the difference between continuous and discrete data			
Sketch a possible graph for a given situation			
Determine, and express in a variety of ways, the domain and range of a graph, a set of ordered pairs or a table of values			
Express in a variety of ways the domain and range of a graph of a relation			
Graph, with or without technology, a set of data, and determine the restrictions on the domain and range			
Explain why data points should or should not be connected on the graph for a situation			
Graph linear relations given a table of values, a given situation, or an equation			
Determine whether a graph, a table of values, a set of ordered pairs, a situation, or an equation represents a linear relation. Explain why or why not			
Match corresponding representations of linear relations			
Draw a graph from a set of ordered pairs within a given situation, and determine whether the relationship between the variables is linear			
Understand the relationship between rate of change and the slope of a line			
Determine the slope of a line segment by measuring or calculating the rise and run			

***Unit 6* Concepts**	Place a checkmark in the appropriate column		
	Yes	**No**	**Maybe**
Classify lines in a given set as having positive or negative slopes			
Explain the meaning of the slope of a horizontal or vertical line			
Explain why the slope of a line can be determined by using any two points on that line			
Draw a line, given its slope and a point on the line			
Determine another point on a line, given the slope and a point on the line			
Explain, using examples, why some relations are not functions, but all functions are relations			
Determine if a set of ordered pairs represents a function			
Sort a set of graphs as functions or non-functions			
Generalize and explain rules for determining whether graphs and sets of ordered pairs represent functions			
Express the equation of a linear function in two variables, using function notation			
Express an equation given in function notation as a linear function in two variables			
Sketch the graph of a linear function expressed in function notation			
Solve for the domain and range values when given the range and domain values for a linear function			

If you have any concerns from the *Check Point*, please refer to *Enhance Your Understanding* in the *Module* for designated practice questions and their solutions to help you improve your skills.

Contact your teacher for assistance and clarification as needed.

You have completed the *Lessons* and *Workbooks* for *Unit 6: Relations and Functions*. Please review all work in *Workbook 6B* to ensure it is your best work. Submit *Workbook 6B* for marking at this time and continue your training with the next unit, *Unit 7: Linear Graphs and Equations*.

Complete the *Test Your Understanding Quiz* when you have reviewed the feedback provided by your marker for *Workbooks 6A* and *6B*.