

Unit 1: Quantities and Relationships

Big Idea: Mathematics explains relationships in the world.

Essential Questions

- How are independent and dependent factors identified?
- Can all relationships in the world be modeled mathematically?
- What do mathematical models of real world relationships look like graphically? Can they be organized in a particular way?

	Learning Target	Text	I know it	I partially get it	I don't get it
A	I can identify the dependent and independent quantities for a situation.	1.1			
B	I can label the axes with the dependent and independent quantities, including units, in a situation.	1.1			
C	I can write a situation to model a given graph.	1.1			
D	I can sketch a graph of a given situation.	1.1			
E	I can explain why a graph is or is not a function.	1.2			
F	I can identify whether a graph of a function is increasing, decreasing, or constant.	1.3			
G	I can identify whether a function has an absolute maximum or minimum.	1.3			
H	I can analyze the similarities and differences between function families.	1.3			

Learning Targets

Name: _____ Block: _____

	Learning Target	Text	Need Help	Need Practice	I've got this!
I	I can graph a function given its characteristics.	1.4			
J	I can write an equation and graph it based on given characteristics.	1.4			
K	I can classify a function given its equation.	1.4			

✓ = Complete inc = incomplete	Assignment	Need more practice with...

Quiz #	Score	Need more practice with...
1		
2		
3		
4		

Unit 1 Homework Grade: _____ / _____

Unit 1 Test Grade: _____ % **Teacher Initials** _____

Overall Course Grade: _____ %

Parent Signature: _____

Retake Test Grade: _____ %

Students must return this form with a parent signature within two days of receiving test results to retake the test.