

M201 Function Concepts Badge Portfolio: A Showcase of Your Learning

Section 1: Required Tasks

Show off what you did! Submit work (or another agreed upon way of showing your thinking) for each of the tasks listed below.

	I Can Statements	Required Tasks	Student Reflection: What new learning does the task showcase?
201.b	Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases.	<ul style="list-style-type: none">IM Algebra II: Unit 1 Lesson 6 Activity 2: Square of Squares	
201.d	Build new functions from existing functions.	<ul style="list-style-type: none">IM Algebra II: Unit 5 Lesson 7 Activity 1: Translating Vertex Form	
201.f	Build a function that models a relationship between two quantities.	<ul style="list-style-type: none">IM Algebra I: Unit 5 Modeling Prompt 6: Swing time	

Section 2: Choose Your Favorites

Show off your favorite work! For each expectation, SELECT at least one task from each group to demonstrate what you are learning. Which work do you feel best showcases all of the math you have learned?

	I Can Statements	Select at least one from each set	Student Reflection: What new learning does the task showcase?
201.a	Understand the concept of a function and use function notation.	<ul style="list-style-type: none"> IM Algebra II: Unit 1 Lesson 3 Activity 1: Three Sequences IM Algebra II: Unit 1 Lesson 9 Cool-down: Ow, My Jaw 	
201.b	Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases.	(Optional if additional evidence is needed) <ul style="list-style-type: none"> IM Algebra II: Unit 1 Lesson 7 Cool-down: It's Geometry IM Algebra II: Unit 5 Lesson 10 Activity 2: Adding Functions 	
201.c	Write a function defined by an expression in different but equivalent forms to reveal and explain different properties of the function.	<ul style="list-style-type: none"> IM Algebra I: Unit 7 Lesson 10 Activity 2: Timing A Blob of Water IM Algebra I: Unit 7 Lesson 5 Activity 1: Solving by Graphing 	
201.d	Build new functions from existing functions.	(Optional if additional evidence is needed) <ul style="list-style-type: none"> IM Algebra II: Unit 5 Lesson 3 Activity 1: New Hours for the Kitchen 	
201.e	Compare properties of two functions each	<ul style="list-style-type: none"> IM Algebra II: Unit 5 Lesson 3 Activity 2: Thawing Meat 	

	I Can Statements	Select at least one from each set	Student Reflection: What new learning does the task showcase?
	represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	<ul style="list-style-type: none"> IM Algebra II: Unit 5 Lesson 9 Activity 2: The Many Transformations of a Function P 	
201.f	Build a function that models a relationship between two quantities.	(Optional if additional evidence is needed) <ul style="list-style-type: none"> IM Algebra II: Unit 1 Lesson 10 Activity 1: Finding Population Patterns 	