

WDYLT? Part of each assignment in Calculus is your response to these 3 questions:

1. **What did you learn today that was new?** 2. **How does what you learned relate to what you previously knew?** 3. **What good is this new idea?**

You may answer these questions at any time during your assignment, but your responses should always appear as questions a, b, and c at the beginning of each assignment. Your responses will count as 1/5 of your score for each assignment.

CH 1	Big Idea: Function Groups are important in Calculus		Enduring Understanding: The math I learned in Precalculus will be used almost every day in our study of calculus.		Enduring Question: What do I need to know from Precalculus to succeed in Calculus?
Day	Title	Concept	LEARNING TARGETS (What I should understand, know, and be able to do.)	How am I doing? A= I knew how and got it right B= I knew how, but small error C= I had no idea/guessed right D= I had no idea/guessed wrong	Assessments/Learning Activities
1	1.1	Linear Functions	a. I can build equations of lines given a variety of information (point and a line, parallel/perpendicular, two points, etc.)		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 1.1: 3-36 (x3), 37, 39, 43, 49 <input type="checkbox"/> Function Library <input type="checkbox"/> Trig. Values <input type="checkbox"/> Trig. Identities <input type="checkbox"/> Properties of Logs
			b. I can use linear functions to model authentic situations.		
2	1.2, part 1	Functions and Graphs	a. I understand the definition of functions.		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 1.2: 2, 9, 15, 26, 31, 34, 40, 55, 57 <input type="checkbox"/> 1.1: 4, 22, 35 <input type="checkbox"/> Function Library <input type="checkbox"/> Trig. Values <input type="checkbox"/> Trig. Identities <input type="checkbox"/> Properties of Logs
			b. I can determine the domain and range of functions including composition of functions.		
			c. I will recognize and be able to sketch the familiar functions of the Function Library.		
3	1.2, part 2	Functions and Graphs	a. I know what even and odd functions are and why we care.		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 1.2: 3, 8, 30, 33, 36, 45, 56 <input type="checkbox"/> 1.2: 3, 14, 44 <input type="checkbox"/> 1.1: 28, 38 <input type="checkbox"/> Function Library <input type="checkbox"/> Trig. Values <input type="checkbox"/> Trig. Identities <input type="checkbox"/> Properties of Logs
			b. I understand what causes symmetry on graphs of functions (even, odd, neither).		
			c. I can graph and write equations of piece functions.		
			d. I can use concepts of transformations to sketch by hand the graphs of many functions.		
Quiz 1	Score: ____ Possible: ____	What do I need help with?	What's my plan?	What did I do?	

4	1.3	Exponential Functions	a. I understand the standard form of exponential functions		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 1.3: 3, 4, 12, 19, 22, 26, 38, 39 <input type="checkbox"/> 1.2: 4, 15, 72 <input type="checkbox"/> 1.2: 52 <input type="checkbox"/> Function Library <input type="checkbox"/> Trig. Values <input type="checkbox"/> Trig. Identities <input type="checkbox"/> Properties of Logs
			b. I can build exponential functions by hand and with a grapher.		
			c. I can model authentic growth and decay situations using exponential functions.		
5	1.5	Inverse Functions (Exponentials and Logarithms)	a. I understand what an inverse function is.		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 1.5: 9, 20, 23, 38, 40, 47, 49 <input type="checkbox"/> 1.3: 1, 15, 20 <input type="checkbox"/> 1.2: 46 <input type="checkbox"/> Function Library <input type="checkbox"/> Trig. Values <input type="checkbox"/> Trig. Identities <input type="checkbox"/> Properties of Logs
			b. I can find inverses of functions.		
			c. I understand that a function must be one-to-one for its inverse to also be a function.		
			d. I understand that inverse functions <ul style="list-style-type: none"> i Compose to cancel each other out ii Have graphs which are symmetric about the line $y = x$ iii Use special notation 		
			e. I understand the inverse of exponential functions are logarithms.		
			f. I can use the properties of logs to simplify expressions and solve exponential and logarithmic equations.		
Quiz 2		Score: ____ Possible: ____	What do I need help with?	What's my plan?	What did I do?
6	1.6	Review of Trigonometry	a. I understand and use right triangle definitions of trigonometric functions.		<input type="checkbox"/> WDYLT? <input type="checkbox"/> 1.6: 5, 9, 12, 15, 17, 24, 27, 31 <input type="checkbox"/> 1.5: 8, 19, 46 <input type="checkbox"/> 1.3: 25
			b. I understand and use unit circle definitions of trigonometric functions.		
			c. I will memorize values for all six trig functions for familiar angles.		
			d. I will memorize basic trig identities		
			e. I can sketch and recognize graphs of all six trig functions and inverses of sine, cosine, and tangent (including identify domain and range).		

Quiz 3		Score: ____ Possible: ____	What do I need help with?	What's my plan?	What did I do?
7	Review		What do I need help with?		<input type="checkbox"/> Review, Chap. 1: 6, 11, 16, 21, 54, 60, 67 <input type="checkbox"/> 1.6: 6, 32, 37 <input type="checkbox"/> 1.5: 39
8	Test 1	Score: ____ Possible: ____	What do I need help with?	What's my plan?	What did I do?