

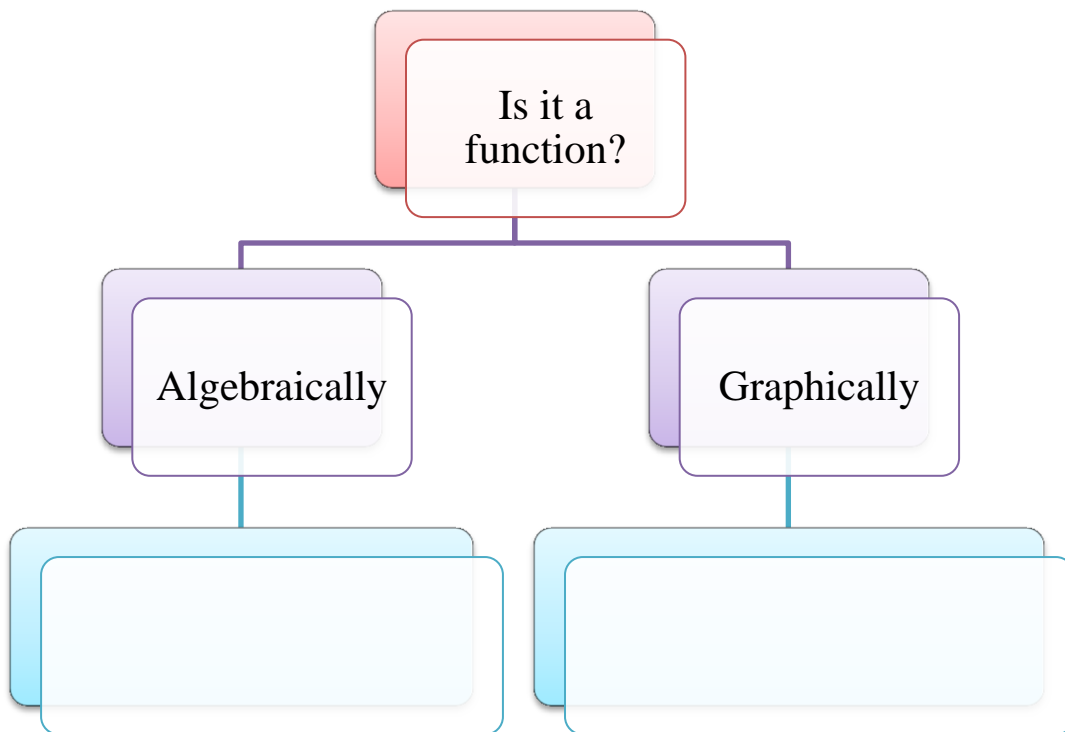
Background

Who is Leonhard Euler? What are some things he is known for? _____

What is his function notation? What does it mean graphically? _____

Function Basics

What is a function exactly? _____



Domain and RangeDefine *domain*:Define *range*:

Compared to domain, why is range so much harder to find? _____

Example: Find the domain and range of $f(x) = \sqrt{x-3}$ Example: Find the domain and range of $h(t) = \frac{t}{t-3}$ Example: Find the domain and range of $m(x) = \frac{3+x^2}{4-x^2}$

Continuous vs. Discontinuous

What does it mean for a function (and its graphed equation) to be *continuous*?

Types of Discontinuities		
Removable	Jump	Infinite
