Graphing Vocabulary Sheet

Verbal Description	Symbolic Definition	Graphical Picture
f is **positive on the interval a < x < b**		
f is **negative on the interval a < x < b**		
f has a **root at x=a** (a root is sometimes called a **zero** of the function)		
f is **increasing on the interval a < x < b**		
f is **decreasing on the interval a < x < b**		
f has a **stationary point at x=a**		

Graphing Vocabulary Sheet

Verbal Description	Symbolic Definition	Graphical Picture
f has a **local max at (a,f(a))**		
local max POINT		
local max VALUE		
f has a **local min at (a,f(a))**		
local min POINT		
local min VALUE		
f has a **terrace point**		

Graphing Vocabulary Sheet

Verbal Description	Symbolic Definition	Graphical Picture
f is **concave up on the interval a < x < b**		
f is **concave down on the interval a < x < b**		
f has an **inflection point at (a,f(a))**		