

Curve Sketching

Section 4.5

Curve Sketching

- Now we put together all important information about a function and sketch a graph which displays the most important features of the function
- We focus on graphing polynomials and rational functions but the same template can be used to sketch all other functions

Guidelines for Sketching a Curve

- A. Domain
 - use f
- B. Intercepts
 - use f
- C. Symmetry
 - skip
- D. Asymptotes
 - use f + limits
- E. Intervals of Increase or Decrease
 - use f'
- F. Local Maximum and Minimum Values
 - use f'
- G. Concavity and Inflection Points
 - use f''