

Give the details of each characteristic for each of the following functions:



- a. Domain of the function
- b. x - and y -intercepts
- c. Symmetry
- d. End behavior (limits at $\pm\infty$) including horizontal or slant asymptotes
- e. Vertical Asymptotes
- f. Differentiability
- g. Intervals of increase and decrease
- h. Local maximums and local minimums
- i. Intervals of upward or downward concavity
- j. Inflection points