Curve Sketching

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Important Features of Curves

- The domain and range
- Whether the function is symmetric
- The $x$- and $y$-intercepts
- Where the function is continuous
- Where the function is differentiable
- Where the function is increasing (decreasing)
- The location of the relative extrema
- The values of the relative extrema
- Concavity
- The points of inflection
- The slope at the inflection points
- The vertical asymptotes
- The horizontal asymptotes
- Infinite limits at infinity