Determining Key Graphical Characteristics
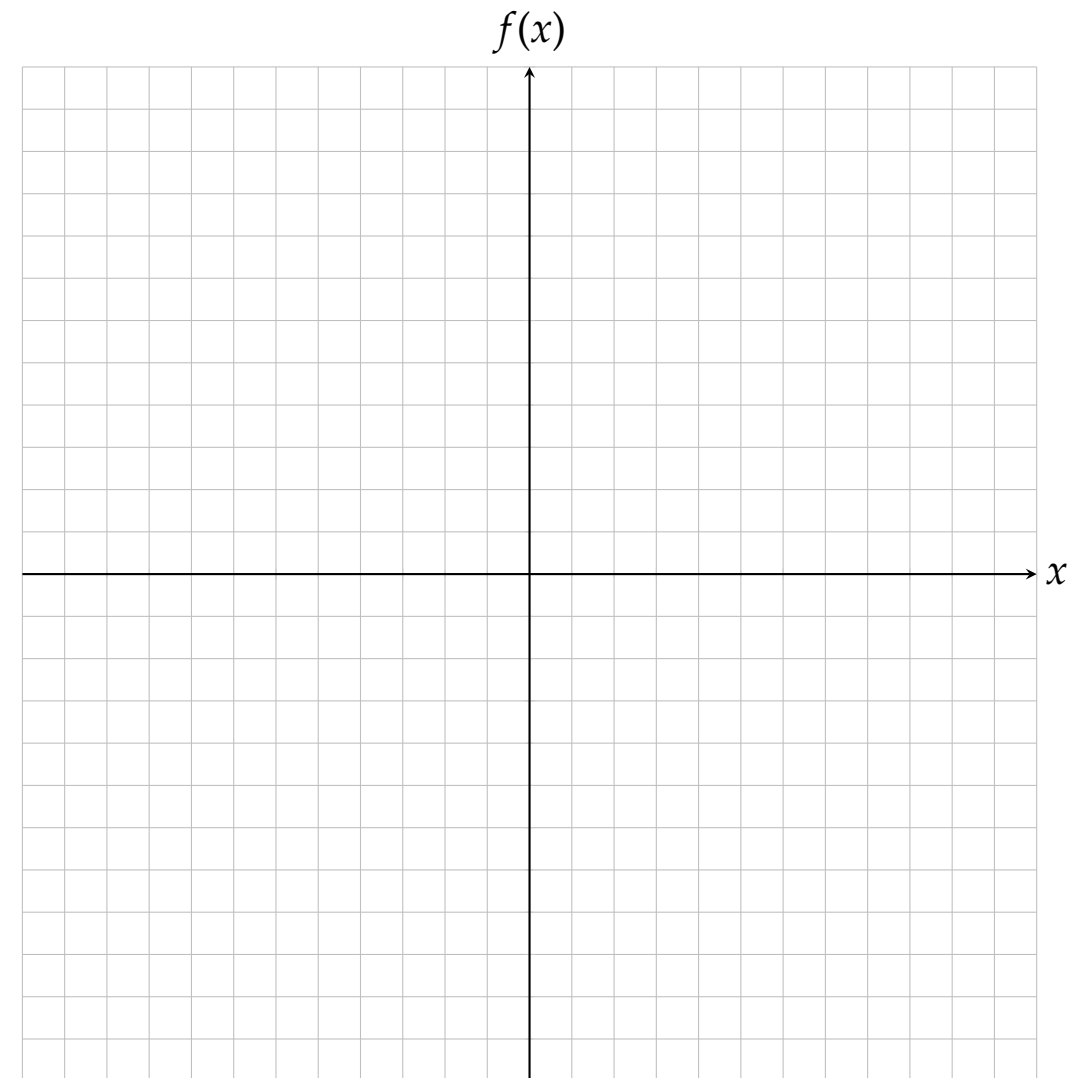
Function

| $f(x) =$ |
| $f^{(1)}(x) =$ |
| $f^{(2)}(x) =$ |

Factored Form

| $f(x) =$ |
| $f^{(1)}(x) =$ |
| $f^{(2)}(x) =$ |

$f(x)$

x

Characteristics

Roots: Multiplicities:	x-intercept(s): y-intercept:
Horizontal Asymptote(s)	Vertical Asymptote(s)
Increasing	Concave: Upwards
Decreasing	Concave: Downwards
Relative Extrema	Inflection Points

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