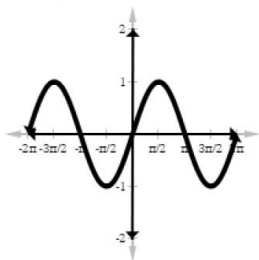


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Sine Function

$$f(x) = \sin x$$

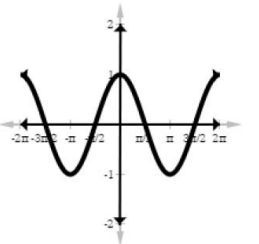


Domain:
Range
x-intercepts
y-intercepts

Rel. Max:
Rel. Min.
Odd Even Neither

Cosine Function

$$f(x) = \cos x$$

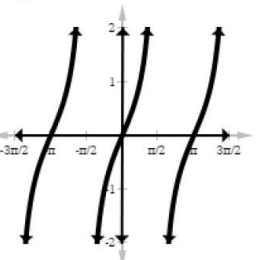


Domain:
Range
x-intercepts
y-intercepts

Rel. Max:
Rel. Min.
Odd Even Neither

Tangent Function

$$f(x) = \tan x$$



Domain:
Range
x-intercepts
y-intercepts

Rel. Max:
Rel. Min.
Odd Even Neither

Notes:

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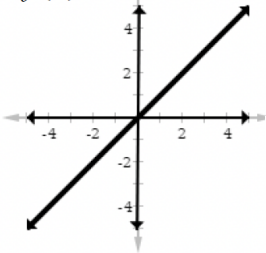
Basic Functions

PROPERTIES
AND GRAPHS

Name _____

Linear Function

$$f(x) = x$$

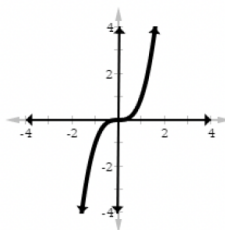


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Cubing Function

$$f(x) = x^3$$

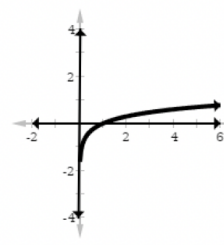


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Logarithmic Function

$$f(x) = \log x$$

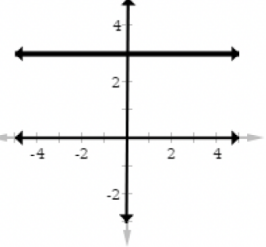


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Constant Function

$$f(x) = c$$

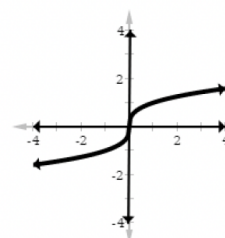


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Cube Root Function

$$f(x) = \sqrt[3]{x}$$

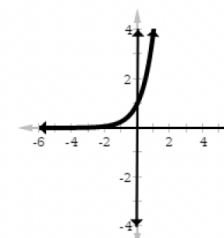


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Exponential Function

$$f(x) = a^x$$

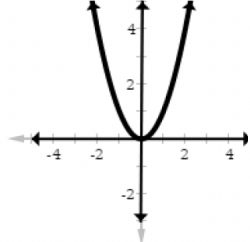


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Quadratic Function

$$f(x) = x^2$$

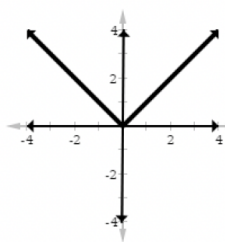


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Absolute Value Function

$$f(x) = |x|$$

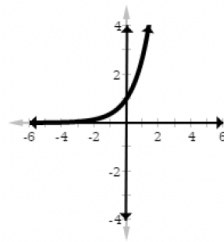


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Natural Exponential Function

$$f(x) = e^x$$

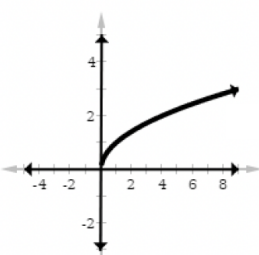


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Square Root Function

$$f(x) = \sqrt{x}$$

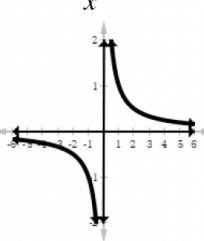


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Reciprocal Function

$$f(x) = \frac{1}{x}$$

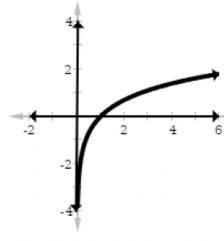


Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither

Natural Logarithmic Function

$$f(x) = \ln x$$



Domain:
Range
x-intercepts
y-intercepts
Increasing on
Decreasing on

Rel. Max:
Rel. Min.
Odd Even Neither